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■ Front mounting by Ø 16 or Ø 22 mm hole, with 30 x 30 mm front plate . . . . . *page 3/8*

Complete switches, 12 and 20 A

■ Front mounting, "multi-fixing" or by Ø 22 mm hole, with 45 x 45 mm front plate

- □ Switches . . . . . *page 3/20*
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Adaptable sub-assemblies, 12 and 20 A

■ Bodies (contact blocks + fixing plate)

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- □ Changeover switches . . . . . *page 3/39*
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Switches, 10 and 16 A, mounted in plastic enclosure

■ Emergency stop switches . . . . . *page 3/78*

■ OFF-ON switches . . . . . *page 3/79*

Complete switches, 12 A with key operated lock

■ Front mounting by 6 screws Ø 5.2 mm, with 55 x 100 mm front plate

- □ Stepping switches, 2 to 5 step . . . . . *page 3/80*
- □ Start selector switches . . . . . *page 3/84*
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Complete switches, 32 to 150 A

■ With 64 x 64 mm front plate (32 to 63 A ratings) and 88 x 88 mm front plate (115 and 150 A ratings) . . . . . *page 3/88*

Cam switches
Type K

Applications		**Used in building control panels and consoles, type K cam switches allow control of processes and utilities in industry and buildings and direct control for simple machines.**	
Functions			
	Off-On/On-Off switches	**1 to 4-pole**	**1 to 6-pole**
	Stepping switches	**2 to 4-position, 1 and 2-pole**	**2 to 12-position, 1 to 4-pole**
	Changeover switches	**1 to 4-pole**	**1 to 5-pole**
	Measurement switches	**Voltmeter and ammeter**	**Voltmeter and ammeter**
	Reversing switches	–	**2 and 3-pole**
	Reversing star-delta switches	–	–
	Pole change switches	–	**2 and 3-speed**

3

Conventional rated thermal current (Ith) **Rated insulation voltage (Ui)**		**10 A** 440 V	**12 A** 690 V
Electrical operating characteristics		AC-15 - A300 240 V - 3 A	AC-3 - 3-phase 230 V - 1.1 kW - 4.6 A AC-15 230 V - 3 A
Front plate degree of protection		IP 65	IP 40 IP 65 (with seal)
Product composition		Complete switches	Complete switches Adaptable sub-assemblies Special products (please consult your Regional Sales Office)
Compatibility		Ø 16 and Ø 22 control and signalling units	Ø 22 control and signalling units
Fixing	**Front mounting**	Single Ø 16 or Ø 22 hole	Multi-fixing Single Ø 22 hole
	Rear mounting	–	Screw fixing, 4 holes on 36 mm centres
Front plate dimensions (mm)		30 x 30	45 x 45 60 x 60 (adaptable sub-assemblies)
Operating heads		Black standard handle Metallic legend, black marking	Black and red standard and long handles Key operator Metallic head Metallic legend with black marking or black legend with white marking
Approvals		cULus IEC/EN 60947-3 IEC/EN 60947-5-1	UL-CSA IEC/EN 60947-3 IEC/EN 60947-5-1
Type		**Type K10**	**Type K1/K2**
Cam switch model		**K10 ●**	**K1 ●**
Pages		3/8 to 3/12	3/20 to 3/73 and 3/80 to 3/85

1 to 6-pole	**1 to 6-pole**
2 to 12-position, 1 to 4-pole	**–**
1 to 5-pole	**1 to 4-pole**
–	**–**
2 and 3-pole	**2 and 3-pole**
Star-delta	**Star-delta**
2 and 3-speed	**2-speed**

20 A 690 V	**32 A** 690 V	**50 A** 690 V	**63 A** 690 V	**115 A** 690 V	**150 A** 690 V
AC-3 - 3-phase 230 V - 2.2 kW - 8.3 A AC-15 230 V - 4 A	AC-3 - 3-phase 230 V - 5.5 kW AC-15 230 V - 14 A	AC-3 - 3-phase 230 V - 7.5 kW AC-15 230 V - 16 A	AC-3 - 3-phase 230 V - 11 kW –	AC-3 - 3-phase 230 V - 15 kW –	AC-3 - 3-phase 230 V - 22 kW –
	IP 40				
	Complete switches				
	–				
	By 4 holes on 48 mm centres			By 4 holes on 68 mm centres	
	Screw fixing, 4 holes on 48 mm centres			Screw fixing, 4 holes on 68 mm centres	
	64 x 64			88 x 88	
	Black standard handle Metallic legend, black marking				
	cULus IEC/EN 60947-3				
	Type K30...K150				
K2 ●	**K30 ●**	**K50 ●**	**K63 ●**	**K115 ●**	**K150 ●**
3/20 to 3/73	3/88 to 3/92				

Cam switches
Series K
Functions panorama

Functions		Complete switches 10 A
		See pages
Switches	with 60° switching angle	**3/8**
	with 45° switching angle	–
	with 90° switching angle	–
	ON-OFF with spring return from 30° to “0” position	–
	OFF-ON with spring return from 30° to “0” position	–
	OFF-ON with spring return from 120° to 90°	–
	OFF-ON with spring return from 30° and from 330° to “0” position	–
	with 90° switching angle	–
	OFF-ON with 45° switching angle	–
	OFF-ON with momentary-contact function	–
	paralleling with “0” position	–
OFF-ON changeover switches	with spring return from 240° to 270° and from 120° to 90°	–
Stepping switches	single-pole with or without “0” position	**3/8, 3/9**
	2-pole with or without “0” position	**3/9, 3/10**
	2 to 5 step, single-pole, with or without “0” position	–
	2 to 5 step, 2-pole, with or without “0” position	–
	2 and 3 step, 3-pole, with or without “0” position	–
	2 to 11 step, single-pole, with or without “0” position	–
	2 to 6 step, 2-pole, with or without “0” position	–
	2 to 6 step, 3-pole, with or without “0” position	–
	2 to 5 step, 4-pole, with or without “0” position	–
	2 and 3 step, with “0” position + left-hand position	–
	3 step, without "0" position	–
	4 step, 4-pole, without "0" position	–
	2 step, with "0" position	–
	3 step, 2-pole, with "0" position	–
	5 step, 2-pole, with "0" position	–
Changeover switches	spring return to “0” position	**3/10**
	with or without “0” position	**3/10**
	with spring return from 315° and from 45° to “0” position	–
	1 to 4-pole with “0” position	–
	1 to 4-pole without “0” position	–
	with momentary-contact function	–
	with spring return from 240° to 270° and from 120° to 90°	–
	star-delta	–
	pole change	–
Voltmeter switches	with “0” position	**3/11**
	without “0” position	–
Ammeter switches	with “0” position	**3/11**
	without “0” position	–
Selector switches	BCD encoded output, with “0” position	–
	BCD encoded output, without “0” position	–
	multi-circuit	–
	star-delta	–
Reversing switches	with “0” position	–
	with spring return from 330° and from 30° to “0” position	–
Changeover switches	1-pole, 2-pole, 3-pole with "0" position	–
		–
Pole change switches	for 2-speed motors	–
	for 3-speed motors	–
Start selector switches	3-position with "0" position	–
	4-position with "0" position	–
Starting switches	star-delta	–
	pole change	–

	Complete switches 12 and 20 A	Complete switches 12 A, with key operated lock	Adaptable sub-assemblies 12 and 20 A	Complete switches 32 to 150 A
	See pages	See pages	See pages	See pages
	–	–	–	3/88
	3/20	–	3/34	–
	3/20	–	–	3/89
	3/21	–	3/36	–
	3/21	–	3/36	–
	3/22	–	3/36	–
	3/22	–	3/37	–
	–	–	3/35	–
	–	–	3/36	–
	–	–	3/37	–
	–	–	3/44, 3/45	–
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	–	3/85	–	–
	–	–	–	3/91
	–	–	–	3/92

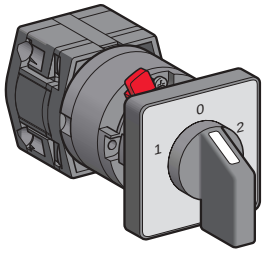
Cam switches
Complete switches, 10 A

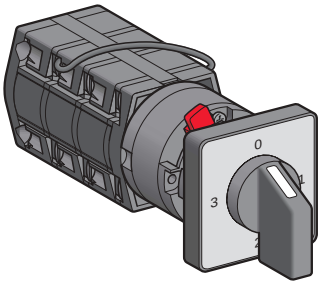
The range of K10 cam switches (10 A rating) comprises only complete switches. These products are more specifically designed for process control applications:
- compact size,
- easy to integrate with other Ø 16 and Ø 22 mm units,
- selection functions.

Complete switches

- **switches**
- **stepping switches**
- **reversing switch**
- **changeover switches**
- **voltmeter switches**
- **ammeter switches**

Front mounting

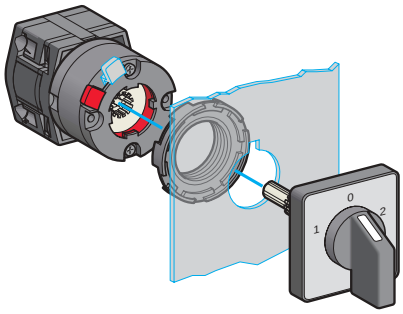




By Ø 16.3 or Ø 22.3 mm hole

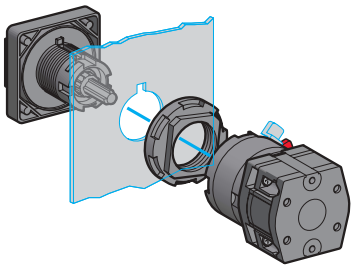
Mounting

Ø 16 or Ø 22 hole fixing

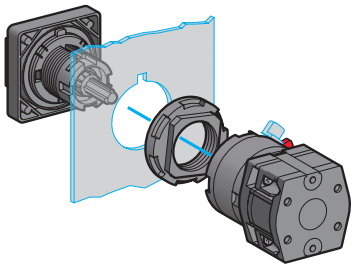


Locking/unlocking of the body-head assembly by spigot

Ø 16 hole fixing



Ø 22 hole fixing



Characteristics:
page 3/7

References:
pages 3/8 to 3/12

Dimensions:
page 3/13

Cam switches

Complete switches, 10 A

Front mounting by Ø 16 or Ø 22 mm hole
With 30 x 30 mm front plate

Environment

Conformity to standards	IEC/EN 60947-3 IEC/EN 60947-5-1
Product certifications	cULus
Protective treatment	Standard version: “TC”
Ambient air temperature	For operation: - 20…+ 55 °C
	For storage: - 40…+ 70 °C
Electric shock protection	Class II, conforming to IEC 60536
Degree of protection	IP 65 conforming to IEC 60529 (operating head) IP 20 (contact block)
Mechanical life	1 million operating cycles

Contact block characteristics

Rated operational characteristics	AC-15, A300	–	240 V	3 A
			120 V	6 A
	AC-21A, AC-1	–	400 V	10 A
	UL/Canada Heavy Duty A300	3-phase	110/120 V	0.75 hp
			220/240 V	1 hp
		single-phase	110/120 V	0.33 hp
			220/240 V	0.75 hp
	AC-23A	3-phase	220/240 V	1.8 kW
		single-phase	110/120 V	0.37 kW
			220/240 V	0.75 kW
	d.c. current Ie resistive load	1 contact	24 V	10 A
			110 V	0.7 A
			220 V	0.3 A
Short-circuit protection	10 A cartridge fuse type gG			
Conventional thermal current (Ith)	10 A			
Rated insulation voltage (Ui)	440 V, degree of pollution 3, conforming to IEC 60947-1			
Contact operation	Slow break			
Terminal referencing	Conforming to CENELEC EN 50013			
Rated impulse withstand voltage (U imp)	4 kV conforming to IEC 60947-1			
Electrical reliability	Failure rate < 1 fault for 100 million operating cycles (⎓ 24 V PLC inputs)			
Connection	Captive screw clamp terminals Clamping capacity: 2 x 1.5 mm^2			

General:
page 3/6

References:
pages 3/8 to 3/12

Dimensions:
page 3/13

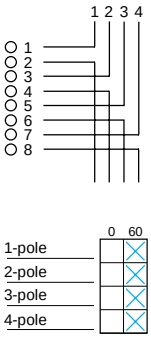
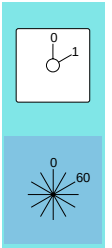
Cam switches

Complete switches, 10 A

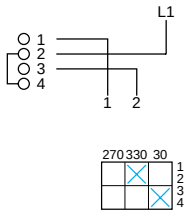
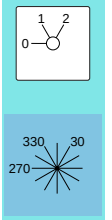
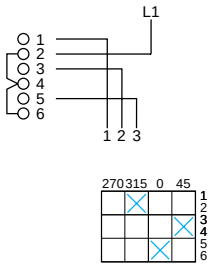
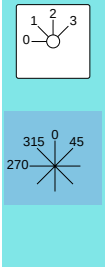
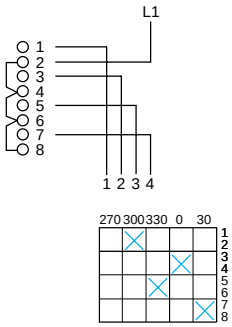
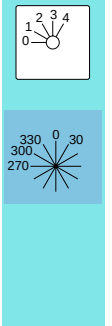
Front mounting by Ø 16 or Ø 22 mm hole
With 30 x 30 mm front plate

K10 B002ACH

Switches

Wiring diagram and switching programme	Marking and switch position	Number of poles	Reference	Weight kg
		1	K10 A001ACH	0.030
		2	K10 B002ACH	0.035
		3	K10 C003ACH	0.045
		4	K10 D004ACH	0.045

Stepping switches, single-pole, with “0” position

Wiring diagram and switching programme	Marking and switch position	Number of steps	Reference	Weight kg
		2 + “0” position	K10 B002QCH	0.035
		3 + “0” position	K10 C003QCH	0.045
		4 + “0” position	K10 D004QCH	0.045

K10 D004QCH

General: page 3/6
Characteristics: page 3/7
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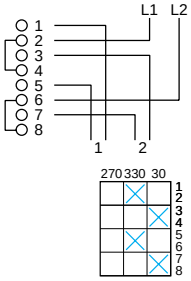
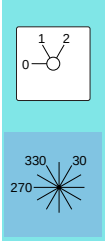
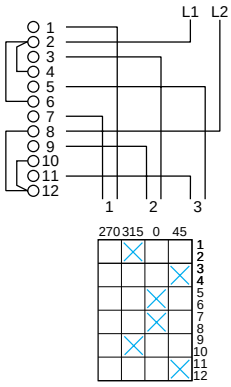
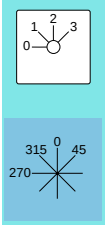
Cam switches

Complete switches, 10 A

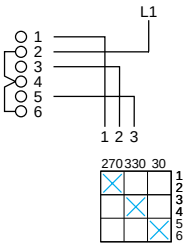
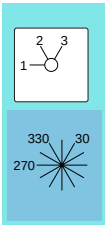
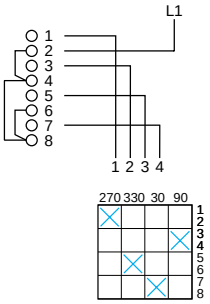
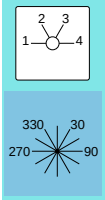
Front mounting by Ø 16 or Ø 22 mm hole
With 30 x 30 mm front plate

K10 D012QCH

Stepping switches, 2-pole, with “0” position

Wiring diagram and switching programme	Marking and switch position	Number of steps	Reference	Weight kg
		2 + “0” position	**K10 D012QCH**	0.045
		3 + “0” position	**K10 F013QCH**	0.055

Stepping switches, single-pole, without “0” position

		3	**K10 C003NCH**	0.045
		4	**K10 D004NCH**	0.045

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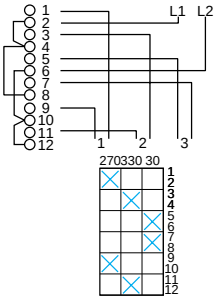
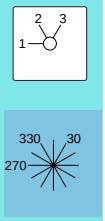
Cam switches

Complete switches, 10 A

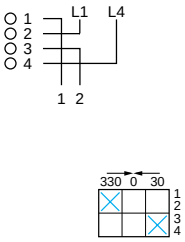
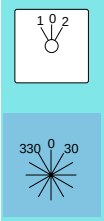
Front mounting by Ø 16 or Ø 22 mm hole
With 30 x 30 mm front plate

3

Stepping switches, 2-pole, without “0” position

Wiring diagram and switching programme	Marking and switch position	Number of steps	Reference	Weight kg
		3	K10 F013NCH	0.055

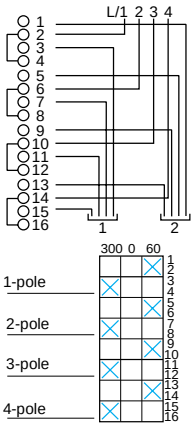
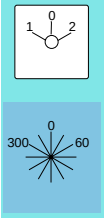
Changeover switch with spring return to “0” position

Wiring diagram and switching programme	Marking and switch position	Number of poles	Reference	Weight kg
		1	K10 B006TCH	0.035

550260

K10 B006TCH

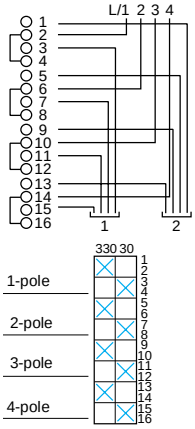
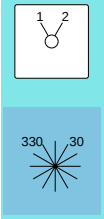
Changeover switches with “0” position

Wiring diagram and switching programme	Marking and switch position	Number of poles	Reference	Weight kg
		1	K10 B001UCH	0.035
		2	K10 D002UCH	0.045
		3	K10 F003UCH	0.055
		4	K10 H004UCH	0.065

550261

K10 F003UCH

Changeover switches without “0” position

Wiring diagram and switching programme	Marking and switch position	Number of poles	Reference	Weight kg
		1	K10 B011UCH	0.035
		2	K10 D012UCH	0.045
		3	K10 F013UCH	0.055
		4	K10 H014UCH	0.065

General: page 3/6
Characteristics: page 3/7
Dimensions: page 3/13

Telemecanique

Cam switches

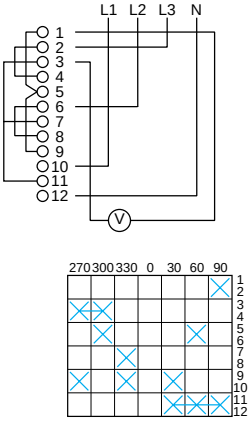
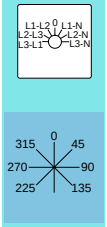
Complete switches, 10 A

Front mounting by Ø 16 or Ø 22 mm hole
With 30 x 30 mm front plate

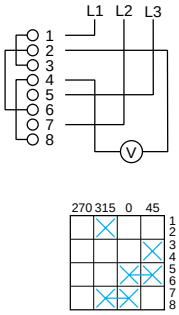
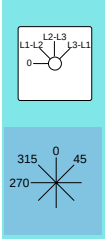
K10 F027MCH

Voltmeter switches

For measurements between 3 phases and between 1 phase and neutral

Wiring diagram and switching programme	Marking and switch position	Reference	Weight kg
		K10 F027MCH	0.055

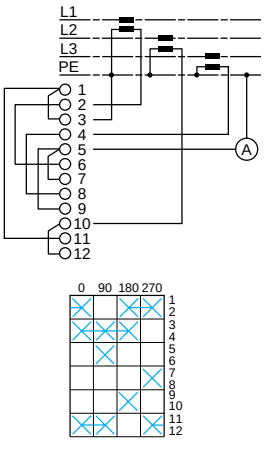
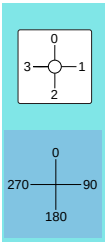
For measurements between 3 phases, with “0” position

		K10 D024MCH	0.045

K10 F003MCH

Ammeter switches

For 3 circuits, with “0” position

		K10 F003MCH	0.055

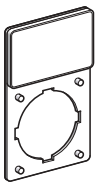
General: page 3/6
Characteristics: page 3/7
Dimensions: page 3/13

Cam switches

Complete switches, 10 A

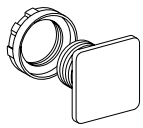
Front mounting by Ø 16 or Ø 22 mm hole
With 30 x 30 mm front plate
Accessories

540016



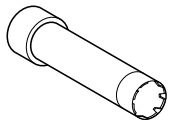
Z227N

501646_1



Z33

501647_1



Z201

Legend holders

Description		Sold in lots of	Unit reference	Weight kg
For Ø 22 mm hole fixing	With metallic finish legend	25	**Z227N**	0.060

Accessories

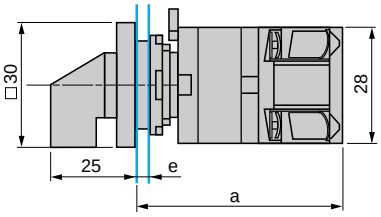
Description	Colour	Sold in lots of	Unit reference	Weight kg
Blanking plug	Black	10	**Z33**	0.060
Nut wrench	–	5	**Z201**	0.020

Cam switches

Complete switches, 10 A

Front mounting by Ø 16 or Ø 22 mm hole
With 30 x 30 mm front plate

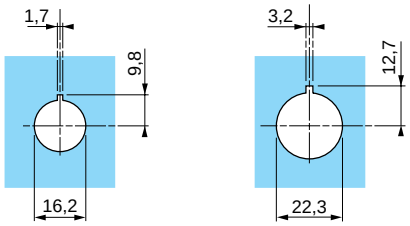
Cam switches, 10 A



	a
K10 A, B	51
K10 C, D	63
K10 F	75
K10 H	87

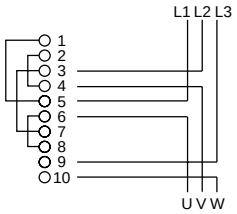
e: support panel thickness 0.5 to 5 mm.

Ø 16 and Ø 22 mm panel cut-outs

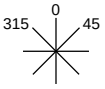


Convention used for switching programme representation

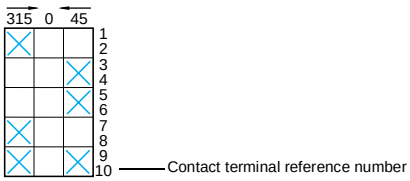
Link positions (factory mounted)



Angular position of switch



Graphic representation of switching positions and spring return to “0” position



Contact closed

Contact closed in 2 positions and maintained between the 2 positions

Sealed assembly for auto-maintain control

Overlapping contacts

Cam switches

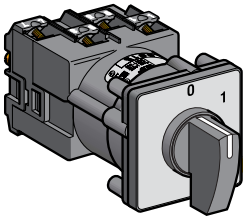
Complete switches and adaptable sub-assemblies, 12 and 20 A

The cam switch range comprises the equally dimensioned and similar looking products of the K1 (12 A rating) series and K2 (20 A rating) series.
Both series feature complete switches and adaptable sub-assemblies for user assembly.

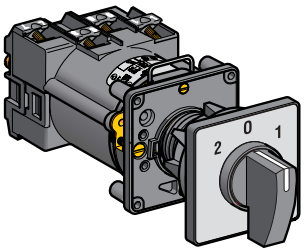
Complete switches

Front mounting

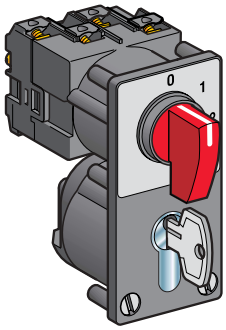
- switches
- stepping switches (2 to 5 step)
- reversing and 1 to 4-pole changeover switches
- ammeter and voltmeter switches



"Multi-fixing"
K1● ●●●●●H, K2● ●●●●●H
See pages 3/20 to 3/27



By Ø 22 mm hole
K1● ●●●●●H, K2● ●●●●●H
See pages 3/20 to 3/27

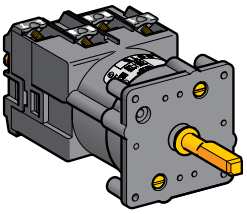


Front mounting by 6 screws Ø 5.2 mm and 55 x 100 mm front plate
K1● ●●●●Z●
See pages 3/80 to 3/85

Switches for user assembly

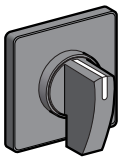
Front mounting

Body sub-assembly

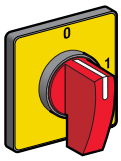


"Multi-fixing"
K1● ●●●●●L, K2● ●●●●●LL
See pages 3/34 to 3/65

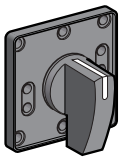
Head sub-assembly
- **With 45 x 45 mm front plate and 35 mm handle**



With blank legend
K●G 3H
See page 3/66



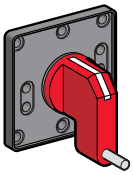
With marked legend
KCG 3H
See page 3/66



Without legend
KDG 3H
See page 3/66

Head sub-assembly
- **With 45 x 45 mm front plate, 35 mm handle and padlocking device**

With marked legend
KCG 3Y
See page 3/66



Without legend
KDG 3Y
See page 3/66

Characteristics: pages 3/18 and 3/19
References: pages 3/20 to 3/67
Dimensions: pages 3/74 to 3/77

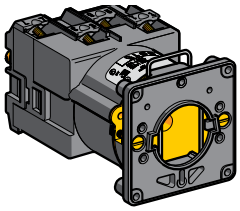
Cam switches

Complete switches and adaptable sub-assemblies, 12 and 20 A

Switches for user assembly (continued)

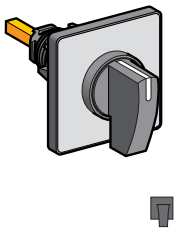
Front mounting (continued)

Body sub-assembly

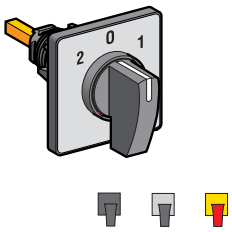


With Ø 22 mm hole
K1● ●●●●●, K2● ●●●●●L
See pages 3/34 to 3/65

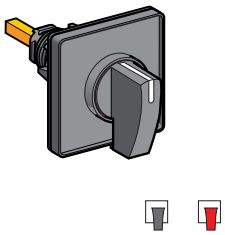
Head sub-assembly
■ **With 45 x 45 mm front plate and 35 mm handle**



With blank legend
K●C 1H
See page 3/66

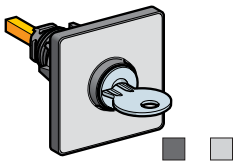


With marked legend *(1)*
K●C 1●●
See page 3/66

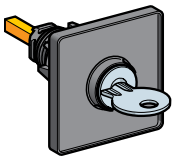


Without legend
KDC 1●●
See page 3/66

Head sub-assembly
■ **With 45 x 45 mm front plate and key operator**

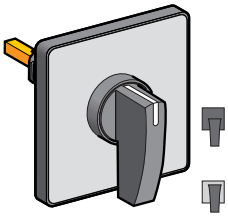


With blank legend
K●C 1●
See page 3/66

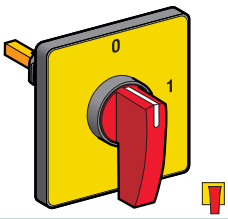


Without legend
KDC 1●
See page 3/66

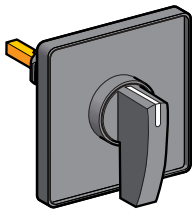
Head sub-assembly
■ **With 60 x 60 mm front plate and 42 mm handle**



With blank legend
K●D 1H
See page 3/66

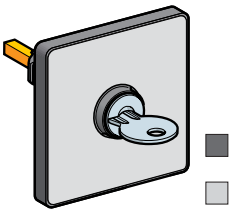


With marked legend
KCD 1●●
See page 3/66

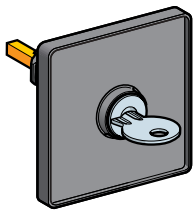


Without legend
KDD 1H
See page 3/66

Head sub-assembly
■ **With 60 x 60 mm front plate and key operator**



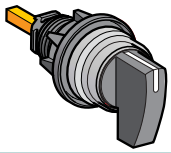
With blank legend
K●D 1●
See page 3/67



Without legend
KDD 1●
See page 3/67

Head sub-assembly
■ **Circular with plastic bezel**

Key operator
K●A 1●
See page 3/67



35 mm handle
K●A 1H
See page 3/67

(1) With or without padlocking device.

Cam switches

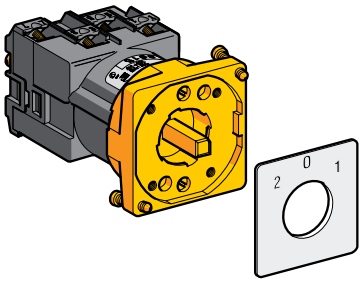
Complete switches and adaptable sub-assemblies, 12 and 20 A

3

Switches for user assembly (continued)

Front mounting (continued)

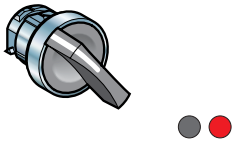
Body sub-assembly



With Ø 22 mm hole and metal mounting plate
K1● ●●●●K, K2● ●●●●X
See pages 3/34 to 3/65

Head sub-assembly
■ **Circular with metal bezel**

Standard handle
KAX Z1M1●
See page 3/67

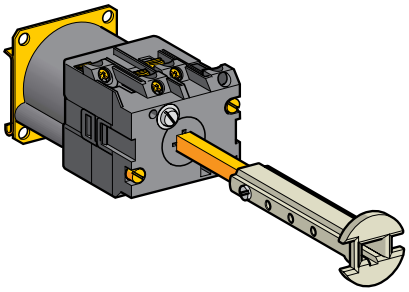


Long handle
KAX Z1C1●
See page 3/67

Key operator
KAX Z1S1●●
See page 3/67

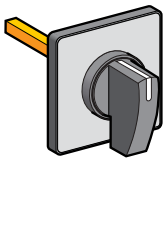
Rear mounting

Body sub-assembly

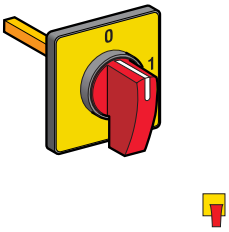


With 4 holes
K1● ●●●●, K2● ●●●●
See pages 3/34 to 3/65

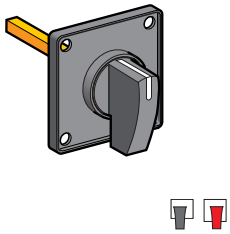
Head sub-assembly
■ **With 45 x 45 mm front plate and 35 mm handle**



With blank legend
K●E 1H
See page 3/67

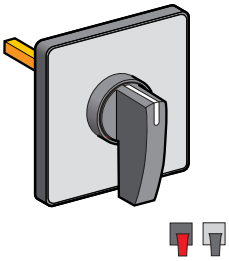


With marked legend *(1)*
KCE 1●
See page 3/67

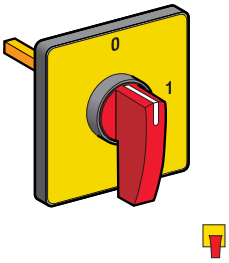


Without legend
KDE 1●
See page 3/67

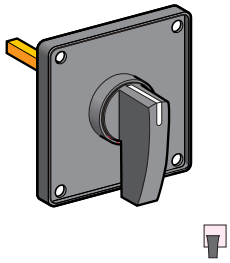
Head sub-assembly
■ **With 60 x 60 mm front plate and 42 mm handle**



With blank legend
K●F 1H
See page 3/67



With marked legend
KCF 1MH
See page 3/67



Without legend
KDF 1H
See page 3/67

(1) With or without padlocking device.

Accessories

Various accessories complement the K1 - K2 cam switch range: legends, legend holders, terminal covers, seals, etc. See pages 3/68 to 3/73.

Switches with specific schemes

If you cannot find a standard switching programme listed in this catalogue to suit your application, please consult your Regional Sales Office.

Cam switches

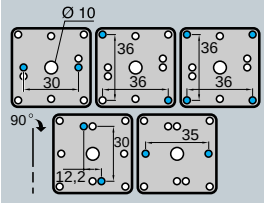
Complete switches and adaptable sub-assemblies, 12 and 20 A

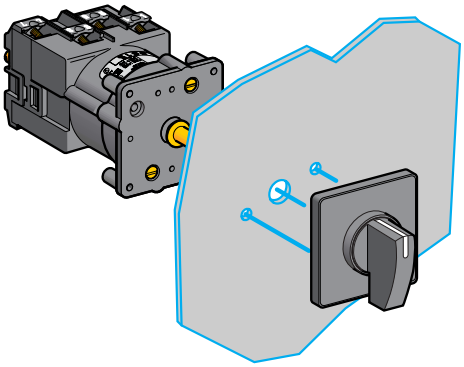
The cam switches are available to suit various mounting and fixing methods.

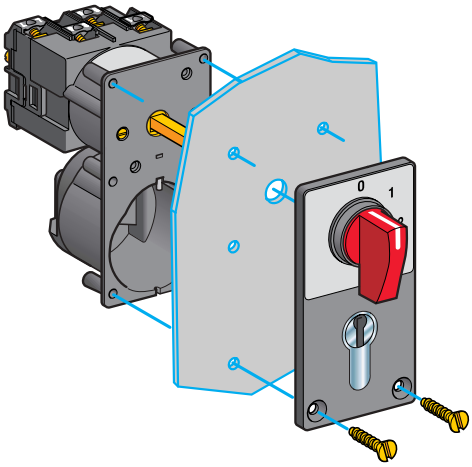
Fixing

Front mounting

By means of "multi-fixing" front plate, using 2 or 4 screws



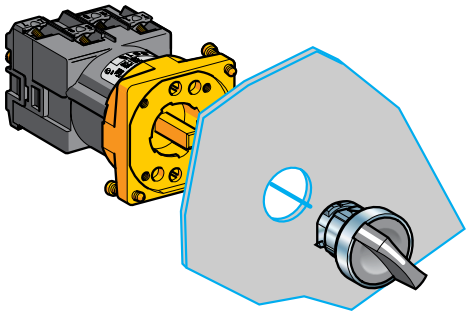


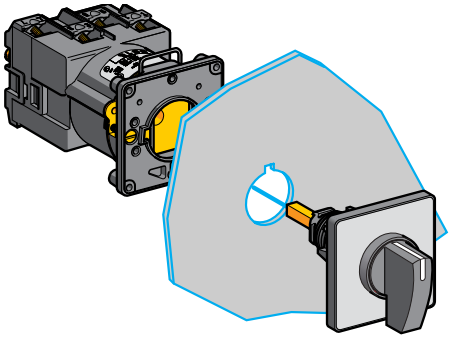


The "multi-fixing" concept enables the switch to be panel mounted using the most commonly used fixing centre dimensions. See drawing to left.

Fixing by 6 screws Ø 5.2 mm and 55 x 100 mm front plate.

By means of single Ø 22 mm hole



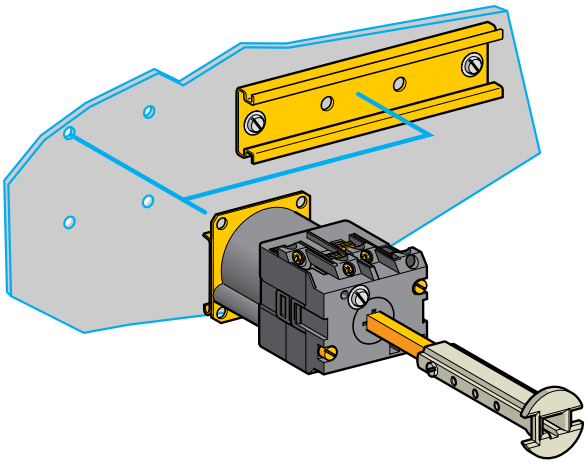


Ø 22.5 mm cut-out.
Head attaches to plate using 1/4 turn bayonet locking and secured on panel by 2 needle screws.

Ø 22.5 mm cut-out with anti-rotation notch.
Head clips into body and secured on panel by fixing nut.

Rear mounting

By means of 4 holes



Switch can be directly mounted on backplate using 4 screws.
For DIN rail mounting, an adaptor is available as an accessory. See page 3/75.

Cam switches

Complete switches and adaptable sub-assemblies, 12 to 20 A

Characteristics

Environment

Cam switch type			K 1		K 2	
Conformity to standards	For control circuits		IEC/EN 60947-5-1			
	For power circuits		IEC/EN 60947-3			
Product certifications	UL, CSA A300		240 V 0.33 hp single-phase 2-pole	240 V 1 hp 3-phase	240 V 1 hp single-phase	240 V 3 hp 3-phase 2-pole
Protective treatment	Standard version		"TC"			
Ambient air temperature around the device	For operation	**°C**	- 25…+ 55			
	For storage	**°C**	- 40…+ 70			
Shock resistance	Conforming to IEC 68-2-27		30 gn			
Vibration resistance	Conforming to IEC 68-2-6		5 gn, 10…150 Hz			
Electric shock protection	Conforming to IEC 536 and NF C 20-030		Class II			
Degree of protection	Conforming to IEC 529 and NF C 20-010		IP 40, for fixing by front plate and 4 screws IP 65, with additional seal			
			IP 65, for Ø 22 mm hole fixing			
Mechanical life	Operating cycles		1 million			

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Characteristics (continued)

Contact blocks

Cam switch type				K 1	K 2
Rated insulation voltage (Ui)	Conforming to IEC 60947-1 degree of pollution 3		**V**	690	690
Conventional thermal current	Screw clamp terminal connections	In open air (Ith)	**A**	12	20
		In enclosure (Ithe)	**A**	10	16
		Push-on connectors (Ith) (8 A max. per connector)	**A**	12	16
Rated operational characteristics				**Conforming to IEC 947-5-1**	
	∿ AC-15			230 V/3 A	230 V/4 A
				400 V/2 A	400 V/3 A
				500 V/1 A	500 V/2 A
				Conforming to IEC 947-3	
	∿ AC-3	3-phase		230 V/1.1 kW/4.6 A	230 V/2.2 kW/8.3 A
				400 V/1.5 kW/3.3 A	400 V/4 kW/8 A
				500 V/1.5 kW/2.8 A	500 V/4 kW/6.5 A
				690 V/1.5 KW/1.8 A	690 V/4 kW/4.7 A
		single-phase 2-pole		230 V/0.6 kW	230 V/1.3 kW
				400 V/1.5 kW	400 V/2.2 kW
	∿ AC-23 A	3-phase		230 V/1.5 kW/5.6 A	230 V/4 kW/14.6 A
				400 V/2.2 kW/4.8 A	400 V/5.5 kW/10.8 A
				500 V/2.2 kW/3.8 A	500 V/5.5 kW/8.9 A
				690 V/2.2 kW/2.8 A	690 V/5.5 kW/6.4 A
	∿ AC-21	3-phase		230 V/4.8 kW	230 V/8 kW
				400 V/8.3 kW	400 V/14 kW
				500 - 660 V/10.5 kW	500 - 660 V/17 kW
Electrical durability (millions of operating cycles)	AC-3 and AC 23			0.5	0.2
	AC-15 and AC -21			1	0.6
Operating rate (operating cycles/h)	AC-3, AC-23 and AC-21			150	150
	AC-15			500	500
Rated conditional short-circuit current			**kA**	10	10
Short-circuit protection	Cartridge fuse			16 A gG	20 A gG
Rated impulse withstand voltage	Conforming to IEC 947-1 (Uimp)		**kV**	6	
	In “isolating” function (Uimp)		**kV**	4	
Contact operation				Slow break with positive opening operation	
Terminal referencing				Conforming to CENELEC EN 50013	
Connection	Captive screw clamp terminals		**mm²**	Solid cable, 1 x 2.5	
				Flexible cable, 1 x 2.5 or 2 x 1.5: with or without cable end	
	2 Faston connectors		**mm**	2.8 x 0.8, please consult your Regional Sales Office.	

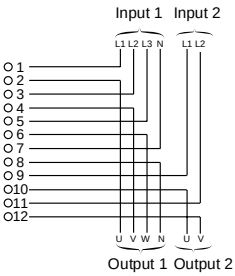
Cam switches

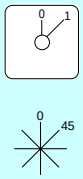
Complete switches, 12 and 20 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

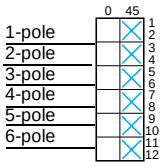
Switches with 45° switching angle

K●● ●●●●LH



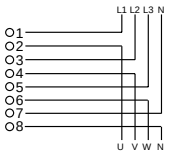


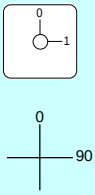
K●● ●●●●CH

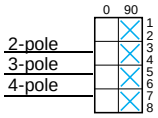


Wiring diagram and switching programme	Marking and switch position	Front mounting method	Number of poles	Thermal current (Ith)	Reference	Weight
				A		kg
		“Multi-fixing”	1	12	K1A 001ALH	0.103
				20	K2A 001ALH	0.103
			2	12	K1B 002ALH	0.113
				20	K2B 002ALH	0.113
			3	12	K1C 003ALH	0.133
				20	K2C 003ALH	0.133
			4	12	K1D 004ALH	0.138
				20	K2D 004ALH	0.138
			5	12	K1E 005ALH	0.158
				20	K2E 005ALH	0.158
			6	12	K1F 006ALH	0.168
				20	K2F 006ALH	0.168
		By Ø 22 mm hole	1	12	K1A 001ACH	0.123
				20	K2A 001ACH	0.123
			2	12	K1B 002ACH	0.133
				20	K2B 002ACH	0.133
			3	12	K1C 003ACH	0.153
				20	K2C 003ACH	0.153
			4	12	K1D 004ACH	0.158
				20	K2D 004ACH	0.158
			5	12	K1E 005ACH	0.178
				20	K2E 005ACH	0.178
			6	12	K1F 006ACH	0.188
				20	K2F 006ACH	0.188

Switches with 90° switching angle







Wiring diagram and switching programme	Marking and switch position	Front mounting method	Number of poles	Thermal current (Ith)	Reference	Weight
		“Multi-fixing”	2	12	K1B 1002HLH	0.130
				20	K2B 1002HLH	0.130
			3	12	K1C 003HLH	0.135
				20	K2C 003HLH	0.135
			4	12	K1D 004HLH	0.140
				20	K2D 004HLH	0.140
		By Ø 22 mm hole	2	12	K1B 1002HCH	0.150
				20	K2B 1002HCH	0.150
			3	12	K1C 003HCH	0.155
				20	K2C 003HCH	0.155
			4	12	K1D 004HCH	0.160
				20	K2D 004HCH	0.160

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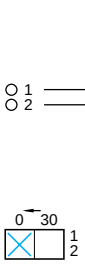
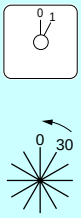
Cam switches

Complete switches, 12 and 20 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

K●● ●●●●LH

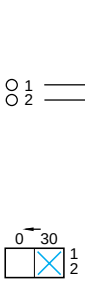


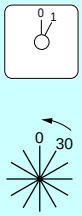


ON-OFF switches with spring return from 30° to “0” position

Wiring diagram and switching programme	Marking and switch position	Front mounting method	Number of poles	Thermal current (Ith)	Reference	Weight
				A		kg
		“Multi-fixing”	1	12	**K1A 002TLH**	0.105
				20	**K2A 002TLH**	0.105
		By Ø 22 mm hole	1	12	**K1A 002TCH**	0.125
				20	**K2A 002TCH**	0.125

K●● ●●●●CH





OFF-ON switches with spring return from 30° to “0” position

		“Multi-fixing”	1	12	**K1A 001TLH**	0.105
				20	**K2A 001TLH**	0.105
		By Ø 22 mm hole	1	12	**K1A 001TCH**	0.125
				20	**K2A 001TCH**	0.125

3

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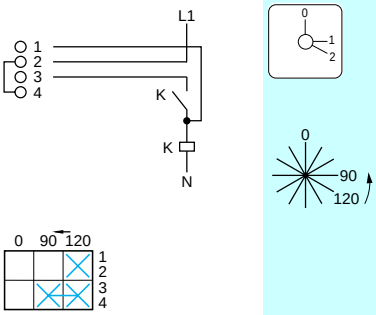
Cam switches

Complete switches, 12 and 20 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

OFF-ON switches with spring return from 120° to 90°

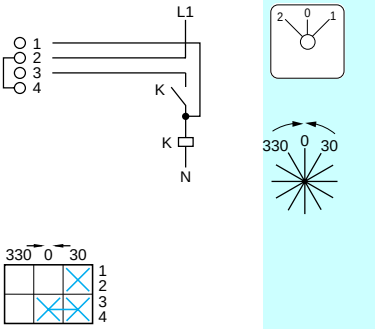
K●● ●●●●LH



Wiring diagram and switching programme	Marking and switch position	Front mounting method	Number of poles	Thermal current (Ith)	Reference	Weight
				A		kg
		“Multi-fixing”	1	12	**K1B 003TLH**	0.115
				20	**K2B 003TLH**	0.115
		By Ø 22 mm hole	1	12	**K1B 003TCH**	0.135
				20	**K2B 003TCH**	0.135

OFF-ON switches with spring return from 30° and from 330° to “0” position

K●● ●●●●CH



Wiring diagram and switching programme	Marking and switch position	Front mounting method	Number of poles	Thermal current (Ith)	Reference	Weight
		“Multi-fixing”	1	12	**K1B 004TLH**	0.115
				20	**K2B 004TLH**	0.115
		By Ø 22 mm hole	1	12	**K1B 004TCH**	0.135
				20	**K2B 004TCH**	0.135

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Cam switches

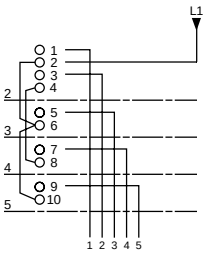
Complete switches, 12 and 20 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

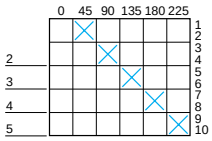
Stepping switches (2 to 5 step), single-pole, with “0” position

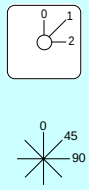
Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
			2 step +“0”		
		“Multi-fixing”	12	**K1B 002QLH**	0.115
			20	**K2B 002QLH**	0.115
		By Ø 22 mm hole	12	**K1B 002QCH**	0.135
			20	**K2B 002QCH**	0.135
			3 step +“0”		
		“Multi-fixing”	12	**K1C 003QLH**	0.135
			20	**K2C 003QLH**	0.135
		By Ø 22 mm hole	12	**K1C 003QCH**	0.155
			20	**K2C 003QCH**	0.155
			4 step +“0”		
		“Multi-fixing”	12	**K1D 004QLH**	0.140
			20	**K2D 004QLH**	0.140
		By Ø 22 mm hole	12	**K1D 004QCH**	0.160
			20	**K2D 004QCH**	0.160
			5 step +“0”		
		“Multi-fixing”	12	**K1E 005QLH**	0.160
			20	**K2E 005QLH**	0.160
		By Ø 22 mm hole	12	**K1E 005QCH**	0.180
			20	**K2E 005QCH**	0.180

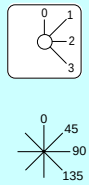
K●● ●●●●LH

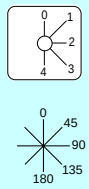


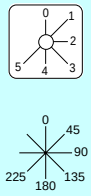
K●● ●●●●CH











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Cam switches

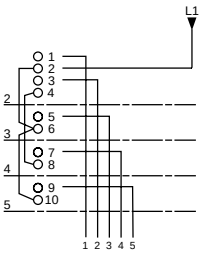
Complete switches, 12 and 20 A

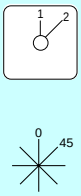
Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

Stepping switches (2 to 5 step), single-pole, without “0” position

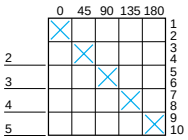
Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
			2 step		
		“Multi-fixing”	12	**K1B 002NLH**	0.115
			20	**K2B 002NLH**	0.115
		By Ø 22 mm hole	12	**K1B 002NCH**	0.135
			20	**K2B 002NCH**	0.135
			3 step		
		“Multi-fixing”	12	**K1C 003NLH**	0.135
			20	**K2C 003NLH**	0.135
		By Ø 22 mm hole	12	**K1C 003NCH**	0.155
			20	**K2C 003NCH**	0.155
			4 step		
		“Multi-fixing”	12	**K1D 004NLH**	0.140
			20	**K2D 004NLH**	0.140
		By Ø 22 mm hole	12	**K1D 004NCH**	0.160
			20	**K2D 004NCH**	0.160
			5 step		
		“Multi-fixing”	12	**K1E 005NLH**	0.160
			20	**K2E 005NLH**	0.160
		By Ø 22 mm hole	12	**K1E 005NCH**	0.180
			20	**K2E 005NCH**	0.180

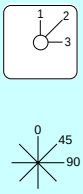
K●● ●●●●LH

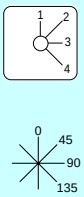


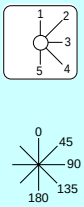


K●● ●●●●CH









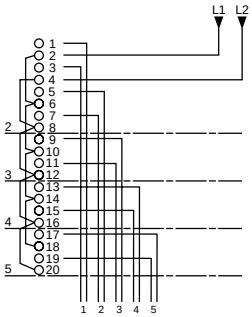
Cam switches

Complete switches, 12 and 20 A

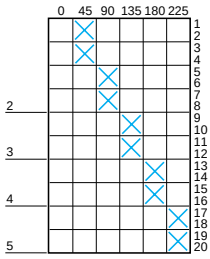
Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

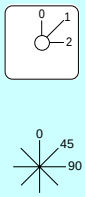
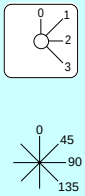
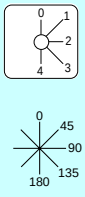
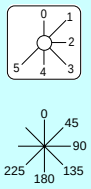
Stepping switches (2 to 5 step), 2-pole, with “0” position

K●● ●●●●LH



K●● ●●●●CH



Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
			2 step +“0”		
		**“Multi-fixing”**	12	**K1D 012QLH**	0.140
			20	**K2D 012QLH**	0.140
		By Ø 22 mm hole	12	**K1D 012QCH**	0.160
			20	**K2D 012QCH**	0.160
			3 step +“0”		
		**“Multi-fixing”**	12	**K1F 013QLH**	0.170
			20	**K2F 013QLH**	0.170
		By Ø 22 mm hole	12	**K1F 013QCH**	0.190
			20	**K2F 013QCH**	0.190
			4 step +“0”		
		**“Multi-fixing”**	12	**K1H 014QLH**	0.195
			20	**K2H 014QLH**	0.195
		By Ø 22 mm hole	12	**K1H 014QCH**	0.215
			20	**K2H 014QCH**	0.215
			5 step +“0”		
		**“Multi-fixing”**	12	**K1K 015QLH**	0.225
			20	**K2K 015QLH**	0.225
		By Ø 22 mm hole	12	**K1K 015QCH**	0.245
			20	**K2K 015QCH**	0.245

General:
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Characteristics:
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Dimensions:
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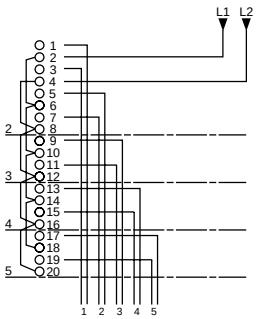
Cam switches

Complete switches, 12 and 20 A

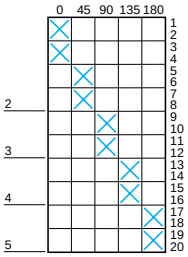
Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

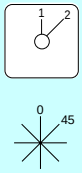
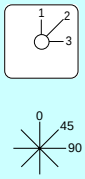
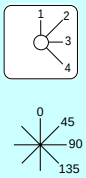
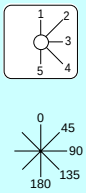
Stepping switches (2 to 5 step), 2-pole, without “0” position

K●● ●●●●LH



K●● ●●●●CH



Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
			2 step		
		**“Multi-fixing”**	12	**K1D 012NLH**	0.140
			20	**K2D 012NLH**	0.140
		By Ø 22 mm hole	12	**K1D 012NCH**	0.160
			20	**K2D 012NCH**	0.160
			3 step		
		**“Multi-fixing”**	12	**K1F 013NLH**	0.170
			20	**K2F 013NLH**	0.170
		By Ø 22 mm hole	12	**K1F 013NCH**	0.190
			20	**K2F 013NCH**	0.190
			4 step		
		**“Multi-fixing”**	12	**K1H 014NLH**	0.195
			20	**K2H 014NLH**	0.195
		By Ø 22 mm hole	12	**K1H 014NCH**	0.215
			20	**K2H 014NCH**	0.215
			5 step		
		**“Multi-fixing”**	12	**K1K 015NLH**	0.225
			20	**K2K 015NLH**	0.225
		By Ø 22 mm hole	12	**K1K 015NCH**	0.245
			20	**K2K 015NCH**	0.245

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Cam switches

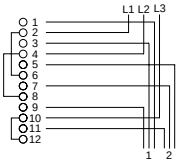
Complete switches, 12 and 20 A

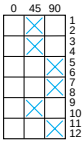
Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

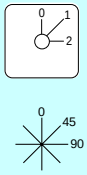
Stepping switches (2 and 3 step), 3-pole, with “0” position

Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
			2 step +“0”		
		“Multi-fixing”	12	**K1F 022QLH**	0.170
			20	**K2F 022QLH**	0.170
		By Ø 22 mm hole	12	**K1F 022QCH**	0.190
			20	**K2F 022QCH**	0.190

K●● ●●●●LH

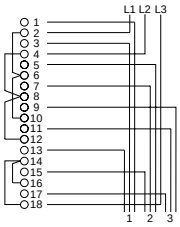


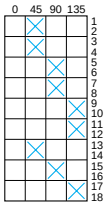


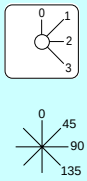


			3 step +“0”		
		“Multi-fixing”	12	**K1I 023QLH**	0.215
			20	**K2I 023QLH**	0.215
		By Ø 22 mm hole	12	**K1I 023QCH**	0.235
			20	**K2I 023QCH**	0.235

K●● ●●●●CH







Cam switches

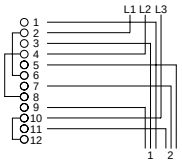
Complete switches, 12 and 20 A

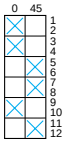
Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

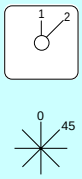
Stepping switches (2 and 3 step), 3-pole, without “0” position

Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
			2 step		
		“Multi-fixing”	12	**K1F 022NLH**	0.170
			20	**K2F 022NLH**	0.170
		By Ø 22 mm hole	12	**K1F 022NCH**	0.190
			20	**K2F 022NCH**	0.190

K●● ●●●●LH

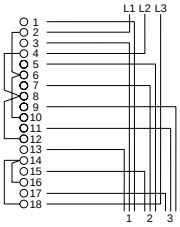


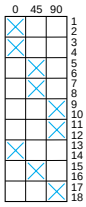


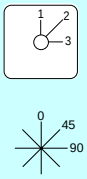


			3 step		
		“Multi-fixing”	12	**K1I 023NLH**	0.215
			20	**K2I 023NLH**	0.215
		By Ø 22 mm hole	12	**K1I 023NCH**	0.235
			20	**K2I 023NCH**	0.235

K●● ●●●●CH







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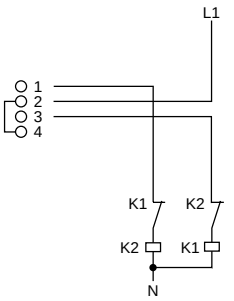
Cam switches

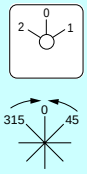
Complete switches, 12 and 20 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

Reversing switches with spring return from 315° and from 45° to “0” position

K●● ●●●●LH

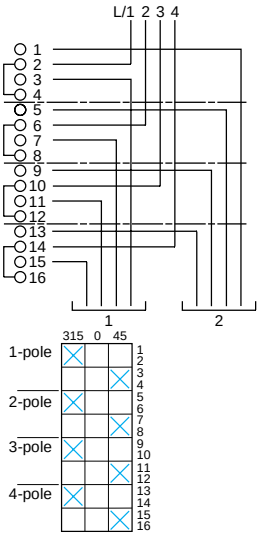


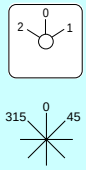


Wiring diagram and switching programme	Marking and switch position	Front mounting method	Number of poles	Thermal current (Ith)	Reference	Weight
				A		kg
		“Multi-fixing”	1	12	K1B 006TLH	0.115
				20	K2B 006TLH	0.115
		By Ø 22 mm hole	1	12	K1B 006TCH	0.135
				20	K2B 006TCH	0.135

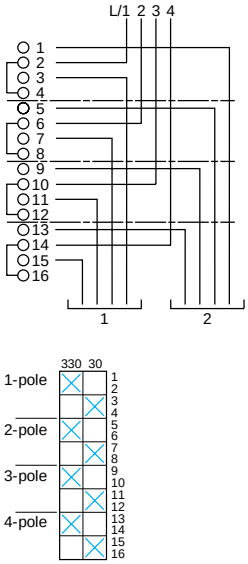
Changeover switches, 1 to 4-pole

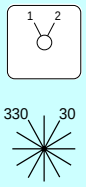
K●● ●●●●CH





				With “0” position		
		“Multi-fixing”	1	12	K1B 001ULH	0.115
				20	K2B 001ULH	0.115
			2	12	K1D 002ULH	0.140
				20	K2D 002ULH	0.140
			3	12	K1F 003ULH	0.170
				20	K2F 003ULH	0.170
			4	12	K1H 004ULH	0.195
				20	K2H 004ULH	0.195
		By Ø 22 mm hole	1	12	K1B 001UCH	0.135
				20	K2B 001UCH	0.135
			2	12	K1D 002UCH	0.160
				20	K2D 002UCH	0.160
			3	12	K1F 003UCH	0.190
				20	K2F 003UCH	0.190
			4	12	K1H 004UCH	0.215
				20	K2H 004UCH	0.215





				Without “0” position		
		“Multi-fixing”	1	12	K1B 011ULH	0.115
				20	K2B 011ULH	0.115
			2	12	K1D 012ULH	0.140
				20	K2D 012ULH	0.140
			3	12	K1F 013ULH	0.170
				20	K2F 013ULH	0.170
			4	12	K1H 014ULH	0.195
				20	K2H 014ULH	0.195
		By Ø 22 mm hole	1	12	K1B 011UCH	0.135
				20	K2B 011UCH	0.135
			2	12	K1D 012UCH	0.160
				20	K2D 012UCH	0.160
			3	12	K1F 013UCH	0.190
				20	K2F 013UCH	0.190
			4	12	K1H 014UCH	0.215
				20	K2H 014UCH	0.215

General:
pages 3/14 to 3/17

Characteristics:
pages 3/18 and 3/19

Dimensions:
pages 3/74 to 3/77

Cam switches

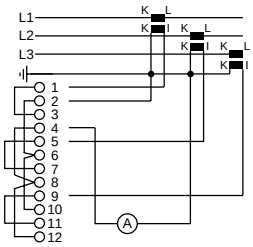
Complete switches, 12 A

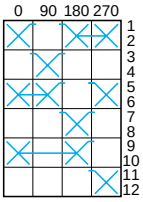
Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

Ammeter switches

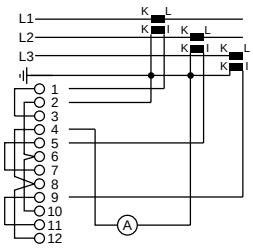
Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
For 3 circuits					
			With “0” position		
		“Multi-fixing”	12	**K1F 003MLH**	0.170
		By Ø 22 mm hole	12	**K1F 003MCH**	0.190
			Without “0” position		
		“Multi-fixing”	12	**K1F 013MLH**	0.170
		By Ø 22 mm hole	12	**K1F 013MCH**	0.190

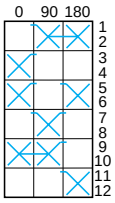
K●● ●●●●LH





K●● ●●●●CH





General:
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Characteristics:
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Dimensions:
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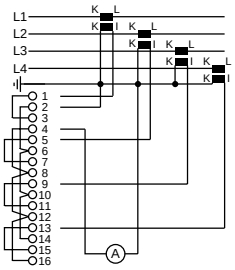
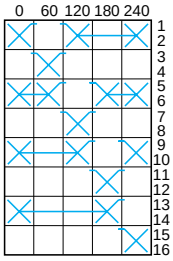
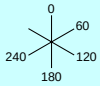
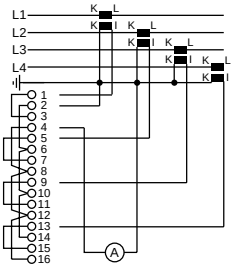
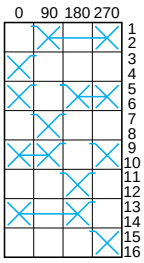
Cam switches

Complete switches, 12 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

Ammeter switches (continued)

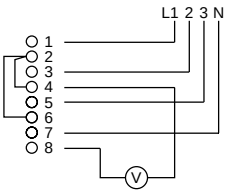
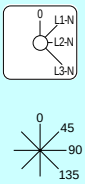
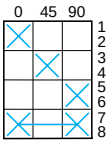
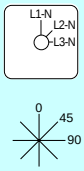
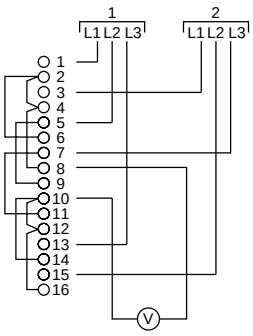
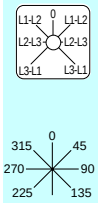
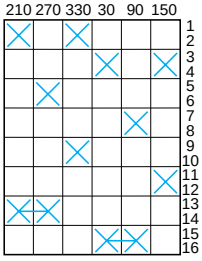
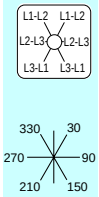
Wiring diagram and switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
			A		kg
For 4 circuits					
			With “0” position		
K●● ●●●●LH  K●● ●●●●CH 		**“Multi-fixing”**	12	**K1H 004MLH**	0.195
		By Ø 22 mm hole	12	**K1H 004MCH**	0.215
			Without “0” position		
 		**“Multi-fixing”**	12	**K1H 014MLH**	0.195
		By Ø 22 mm hole	12	**K1H 014MCH**	0.215

Cam switches

Complete switches, 12 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

Voltmeter switches

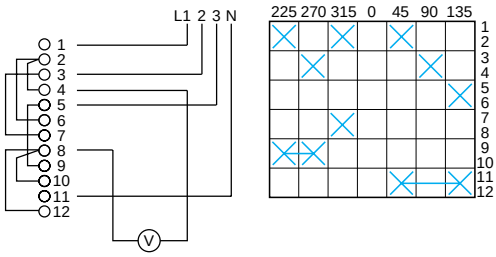
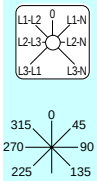
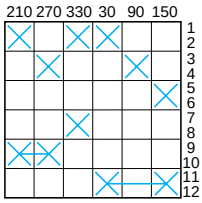
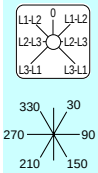
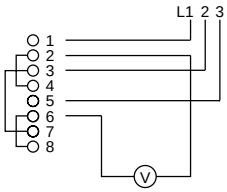
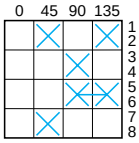
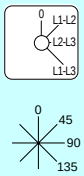
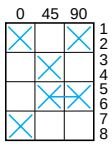
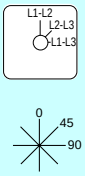
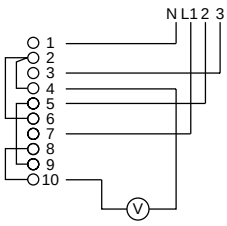
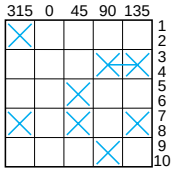
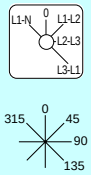
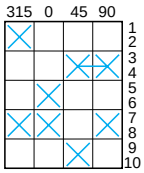
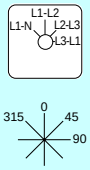
Wiring diagram	Switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
				A		kg
For measurements between 3 phases and neutral						
K●● ●●●●LH				**With “0” position**		
			“Multi-fixing”	12	**K1D 023MLH**	0.140
			By Ø 22 mm hole	12	**K1D 023MCH**	0.160
K●● ●●●●CH				**Without “0” position**		
			“Multi-fixing”	12	**K1D 033MLH**	0.140
			By Ø 22 mm hole	12	**K1D 033MCH**	0.160
For measurements between 3 phases of 2 supplies						
				**With “0” position**		
			“Multi-fixing”	12	**K1H 026MLH**	0.205
			By Ø 22 mm hole	12	**K1H 026MCH**	0.215
				**Without “0” position**		
			“Multi-fixing”	12	**K1H 036MLH**	0.205
			By Ø 22 mm hole	12	**K1H 036MCH**	0.215

Cam switches

Complete switches, 12 A

Front mounting, “multi-fixing” or by Ø 22 mm hole
With 45 x 45 mm front plate, 35 mm handle and metallic legend with black marking

Voltmeter switches (continued)

Wiring diagram	Switching programme	Marking and switch position	Front mounting method	Thermal current (Ith)	Reference	Weight
				A		kg
For measurements between 3 phases and between each of the 3 phases and neutral						
K●● ●●●●LH				**With “0” position**		
			“Multi-fixing”	12	**K1F 027MLH**	0.170
			By Ø 22 mm hole	12	**K1F 027MCH**	0.190
K●● ●●●●CH				**Without “0” position**		
			“Multi-fixing”	12	**K1F 037MLH**	0.170
			By Ø 22 mm hole	12	**K1F 037MCH**	0.190
For measurements between 3 phases						
				**With “0” position**		
			“Multi-fixing”	12	**K1D 024MLH**	0.140
			By Ø 22 mm hole	12	**K1D 024MCH**	0.160
				**Without “0” position**		
			“Multi-fixing”	12	**K1D 034MLH**	0.140
			By Ø 22 mm hole	12	**K1D 034MCH**	0.160
For measurements between 3 phases and between 1 phase and neutral						
				**With “0” position**		
			“Multi-fixing”	12	**K1E 025MLH**	0.160
			By Ø 22 mm hole	12	**K1E 025MCH**	0.180
				**Without “0” position**		
			“Multi-fixing”	12	**K1E 035MLH**	0.160
			By Ø 22 mm hole	12	**K1E 035MCH**	0.180

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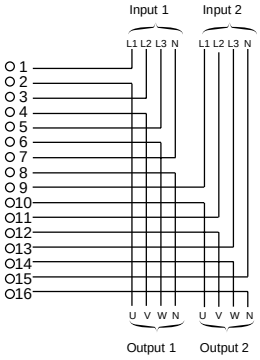
Cam switches

Adaptable sub-assemblies, 12 and 20 A

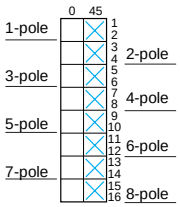
Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

K●● 0●●●L



K●● 0●●●



K●● 5●●●

K●● 0●●●X

Switches

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	1-pole					
		Front	Multi-fixing	**K●A 001AL**		0.091
			By Ø 22 mm hole	**K●A 001A**		0.075
				K●A 001AX	(2)	0.153
		Rear		**K●A 501A**		0.115
	2-pole					
		Front	Multi-fixing	**K●B 002AL**		0.101
			By Ø 22 mm hole	**K●B 002A**		0.085
				K●B 002AX	(2)	0.163
		Rear		**K●B 502A**		0.125
	3-pole					
		Front	Multi-fixing	**K●C 003AL**		0.121
			By Ø 22 mm hole	**K●C 003A**		0.105
				K●C 003AX	(2)	0.183
		Rear		**K●C 503A**		0.140
	4-pole					
		Front	Multi-fixing	**K●D 004AL**		0.126
			By Ø 22 mm hole	**K●D 004A**		0.110
				K●D 004AX	(2)	0.188
		Rear		**K●D 504A**		0.150
	5-pole					
		Front	Multi-fixing	**K●E 005AL**		0.146
			By Ø 22 mm hole	**K●E 005A**		0.130
				K●E 005AX	(2)	0.208
		Rear		**K●E 505A**		0.165
	6-pole					
		Front	Multi-fixing	**K●F 006AL**		0.156
			By Ø 22 mm hole	**K●F 006A**		0.140
				K●F 006AX	(2)	0.218
		Rear		**K●F 506A**		0.175
	7-pole					
		Front	Multi-fixing	**K●G 007AL**		0.176
			By Ø 22 mm hole	**K●G 007A**		0.160
		Rear		**K●G 507A**		0.190
	8-pole					
		Front	Multi-fixing	**K●H 008AL**		0.181
			By Ø 22 mm hole	**K●H 008A**		0.165
		Rear		**K●H 508A**		0.195

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1A 001A**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2A 001A**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

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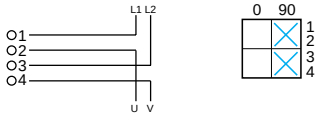
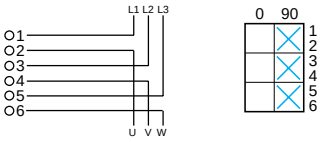
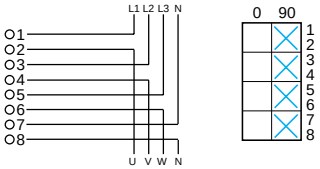
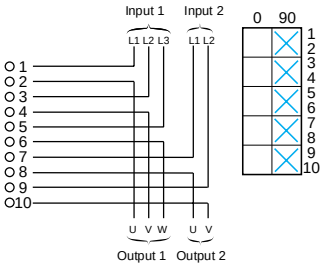
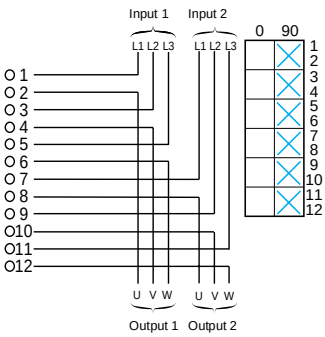
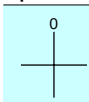
Telemecanique

Cam switches

Adaptable sub-assemblies, 12 and 20 A bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Switches (continued)

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
		2-pole				
K●● 0●●●L			Front	Multi-fixing	**K●B 1002HL**	0.121
				By Ø 22 mm hole	**K●B 1002H**	0.105
					K●B 1002HX (2)	0.183
		3-pole				
			Front	Multi-fixing	**K●C 003HL**	0.121
				By Ø 22 mm hole	**K●C 003H**	0.105
					K●C 003HX (2)	0.183
			Rear		**K●C 503H**	0.140
		3-pole with neutral wire terminal and Earth terminal				
			Front	Multi-fixing	**K●C 023HL**	0.121
				By Ø 22 mm hole	**K●C 023H**	0.105
					K●C 023HX (2)	0.183
			Rear		**K●C 523H**	0.140
		4-pole				
K●● 0●●●			Front	Multi-fixing	**K●D 004HL**	0.126
				By Ø 22 mm hole	**K●D 004H**	0.110
					K●D 004HX (2)	0.188
			Rear		**K●D 504H**	0.150
		4-pole with neutral wire terminal and Earth terminal				
			Front	Multi-fixing	**K●D 024HL**	0.126
				By Ø 22 mm hole	**K●D 024H**	0.110
					K●D 024HX (2)	0.188
			Rear		**K●D 524H**	0.150
		5-pole				
K●● 5●●●			Front	Multi-fixing	**K●E 005HL**	0.146
				By Ø 22 mm hole	**K●E 005H**	0.130
					K●E 005HX (2)	0.208
			Rear		**K●E 505H**	0.165
		5-pole with neutral wire terminal and Earth terminal				
			Front	Multi-fixing	**K●E 025HL**	0.146
				By Ø 22 mm hole	**K●E 025H**	0.130
			Rear		**K●E 525H**	0.165
		6-pole				
K●● 0●●●X			Front	Multi-fixing	**K●F 006HL**	0.156
				By Ø 22 mm hole	**K●F 006H**	0.140
					K●F 006HX (2)	0.218
			Rear		**K●F 506H**	0.175
		6-pole with neutral wire terminal and Earth terminal				
			Front	Multi-fixing	**K●F 026HL**	0.156
				By Ø 22 mm hole	**K●F 026H**	0.140
			Rear		**K●F 526H**	0.175

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1C 003H**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2C 003H**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

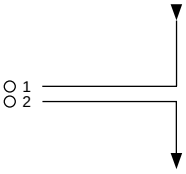
Cam switches

Adaptable sub-assemblies, 12 and 20 A bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

OFF-ON switches

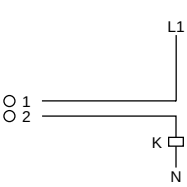
K●● 0●●●L



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
			Front	Multi-fixing	**K●A 001AL**		0.091
				By Ø 22 mm hole	**K●A 001A**		0.075
					K●A 001AX	(2)	0.153
			Rear		**K●A 501A**		0.115

OFF-ON switches with spring return from 30° to "0" position

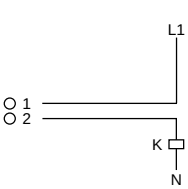
K●● 0●●●



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
			Front	Multi-fixing	**K●A 001TL**		0.091
				By Ø 22 mm hole	**K●A 001T**		0.075
					K●A 001TX	(2)	0.153
			Rear		**K●A 501T**		0.115

ON-OFF switches with spring return from 30° to "0" position

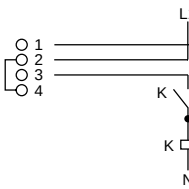
K●● 5●●●



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
			Front	Multi-fixing	**K●A 002TL**		0.091
				By Ø 22 mm hole	**K●A 002T**		0.075
					K●A 002TX	(2)	0.153
			Rear		**K●A 502T**		0.115

OFF-ON switches with spring return from 120° to 90°

K●● 0●●●X



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
			Front	Multi-fixing	**K●B 003TL**		0.101
				By Ø 22 mm hole	**K●B 003T**		0.085
			Rear		**K●B 503T**		0.125

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1A 001A**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2A 001A**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

Cam switches

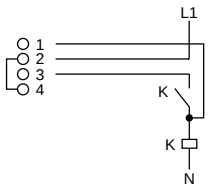
Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

OFF-ON switches with spring return from 30° and from 330° to "0" position

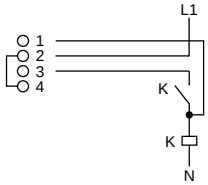
K●● 0●●●L



Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
		Front	Multi-fixing	**K●B 004TL**	0.101
			By Ø 22 mm hole	**K●B 004T**	0.085
		Rear		**K●B 504T**	0.115

OFF-ON switches with momentary-contact function

K●● 0●●●

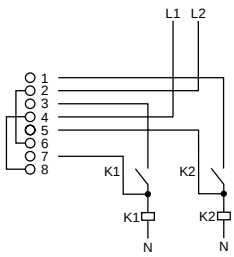


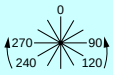
Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
		Front	Multi-fixing	**K●B 001DL**	0.101
			By Ø 22 mm hole	**K●B 001D**	0.085
				K●B 001DX (2)	0.163
		Rear		**K●B 501D**	0.125

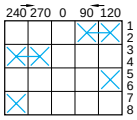
OFF-ON changeover switches with spring return from 240° to 270° and from 120° to 90°

K●● 5●●●

K●● 0●●●X







Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
		Front	Multi-fixing	**K●D 005TL**	0.126
			By Ø 22 mm hole	**K●D 005T**	0.110
		Rear		**K●D 505T**	0.150

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1B 004T**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2B 004T**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Cam switches

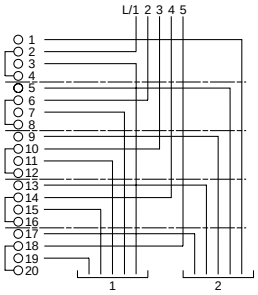
Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

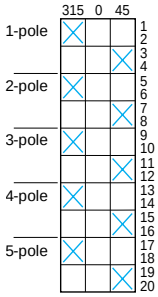
To combine with operating heads: see pages 3/66 and 3/67

Changeover switches with “0” position

K●● 0●●●L



K●● 0●●●



K●● 5●●●

K●● 0●●●X

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	1-pole					
	315 0 45	Front	Multi-fixing	**K●B 001UL**		0.101
			By Ø 22 mm hole	**K●B 001U**		0.085
				K●B 001UX	*(2)*	0.163
		Rear		**K●B 501U**		0.125
	2-pole					
	315 0 45	Front	Multi-fixing	**K●D 002UL**		0.126
			By Ø 22 mm hole	**K●D 002U**		0.110
				K●D 002UX	*(2)*	0.188
		Rear		**K●D 502U**		0.150
	3-pole					
	315 0 45	Front	Multi-fixing	**K●F 003UL**		0.156
			By Ø 22 mm hole	**K●F 003U**		0.140
				K●F 003UX	*(2)*	0.218
		Rear		**K●F 503U**		0.175
	4-pole					
	315 0 45	Front	Multi-fixing	**K●H 004UL**		0.181
			By Ø 22 mm hole	**K●H 004U**		0.165
				K●H 004UX	*(2)*	0.243
		Rear		**K●H 504U**		0.195
	5-pole					
	315 0 45	Front	Multi-fixing	**K●K 005UL**		0.211
			By Ø 22 mm hole	**K●K 005U**		0.195
				K●K 005UX	*(2)*	0.273
		Rear		**K●K 505U**		0.210

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1B 001U**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2B 001U**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

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Dimensions: page 3/74

Telemecanique

Cam switches

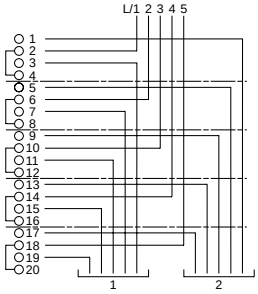
Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

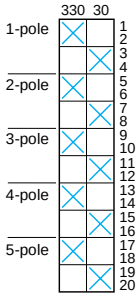
To combine with operating heads: see pages 3/66 and 3/67

Changeover switches without “0” position

K●● 0●●●L



K●● 0●●●



K●● 5●●●

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	1-pole					
		Front	Multi-fixing	**K●B 011UL**		0.101
			By Ø 22 mm hole	**K●B 011U**		0.085
				K●B 011UX	(2)	0.163
		Rear		**K●B 511U**		0.125
	2-pole					
		Front	Multi-fixing	**K●D 012UL**		0.126
			By Ø 22 mm hole	**K●D 012U**		0.110
				K●D 012UX	(2)	0.188
		Rear		**K●D 512U**		0.150
	3-pole					
		Front	Multi-fixing	**K●F 013UL**		0.156
			By Ø 22 mm hole	**K●F 013U**		0.140
				K●F 013UX	(2)	0.218
		Rear		**K●F 513U**		0.175
	4-pole					
		Front	Multi-fixing	**K●H 014UL**		0.181
			By Ø 22 mm hole	**K●H 014U**		0.165
				K●H 014UX	(2)	0.243
		Rear		**K●H 514U**		0.195
	5-pole					
		Front	Multi-fixing	**K●K 015UL**		0.211
			By Ø 22 mm hole	**K●K 015U**		0.195
				K●K 015UX	(2)	0.273
		Rear		**K●K 515U**		0.220

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1B 011U**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2B 011U**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

K●● 0●●●X

Cam switches

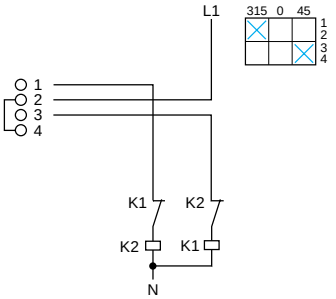
Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Reversing switches

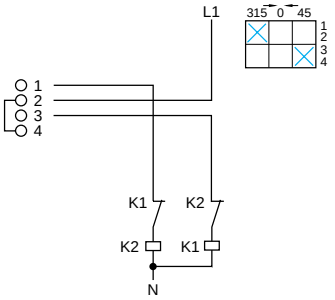
K●● 0●●●L



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed *(1)*	Weight kg
			Front	Multi-fixing	**K●B 001UL**	0.101
				By Ø 22 mm hole	**K●B 001U**	0.085
					K●B 001UX *(2)*	0.163
			Rear		**K●B 501U**	0.125

Reversing switches with spring return from 315° and from 45° to "0" position

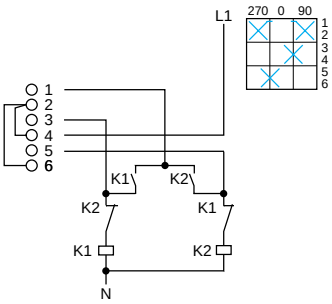
K●● 0●●●



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed *(1)*	Weight kg
			Front	Multi-fixing	**K●B 006TL**	0.101
				By Ø 22 mm hole	**K●B 006T**	0.085
					K●B 006TX *(2)*	0.163
			Rear		**K●B 506T**	0.125

Reversing switches with momentary-contact function

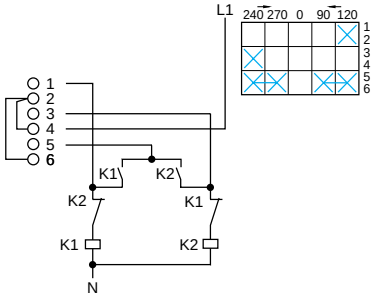
K●● 5●●●

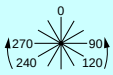


Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed *(1)*	Weight kg
			Front	Multi-fixing	**K●C 002DL**	0.121
				By Ø 22 mm hole	**K●C 002D**	0.105
					K●C 002DX *(2)*	0.183
			Rear		**K●C 502D**	0.140

Reversing switches with spring return from 240° to 270° and from 120° to 90° position

K●● 0●●●X





Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed *(1)*	Weight kg
			Front	Multi-fixing	**K●C 007TL**	0.121
				By Ø 22 mm hole	**K●C 007T**	0.105
			Rear		**K●C 507T**	0.140

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1B 001U**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2B 001U**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

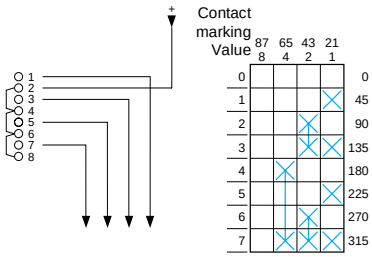
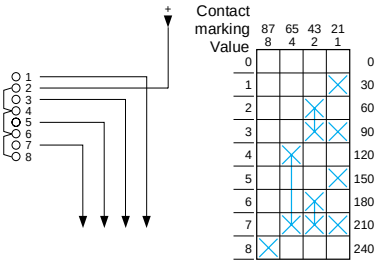
Cam switches

Adaptable sub-assemblies, 12 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

BCD encoded output switches with “0” position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference (1)		Weight kg
K●● 0●●●L		**1 decimal**	Front	Multi-fixing	**K1A 001BL**		0.101
				By Ø 22 mm hole	**K1A 001B**		0.085
					K1A 001BX	(2)	0.163
			Rear		**K1A 501B**		0.125
		2 decimal	Front	Multi-fixing	**K1B 002BL**		0.101
				By Ø 22 mm hole	**K1B 002B**		0.085
					K1B 002BX	(2)	0.163
			Rear		**K1B 502B**		0.125
		3 decimal	Front	Multi-fixing	**K1B 003BL**		0.101
				By Ø 22 mm hole	**K1B 003B**		0.085
					K1B 003BX	(2)	0.163
			Rear		**K1B 503B**		0.125
K●● 0●●●		**4 decimal**	Front	Multi-fixing	**K1C 004BL**		0.121
				By Ø 22 mm hole	**K1C 004B**		0.105
					K1C 004BX	(2)	0.183
			Rear		**K1C 504B**		0.140
		5 decimal	Front	Multi-fixing	**K1C 005BL**		0.121
				By Ø 22 mm hole	**K1C 005B**		0.105
					K1C 005BX	(2)	0.183
			Rear		**K1C 505B**		0.140
K●● 5●●●		**6 decimal**	Front	Multi-fixing	**K1C 006BL**		0.121
				By Ø 22 mm hole	**K1C 006B**		0.105
					K1C 006BX	(2)	0.183
			Rear		**K1C 506B**		0.140
		7 decimal	Front	Multi-fixing	**K1C 007BL**		0.121
				By Ø 22 mm hole	**K1C 007B**		0.105
					K1C 007BX	(2)	0.183
			Rear		**K1C 507B**		0.140
K●● 0●●●X		**8 decimal**	Front	Multi-fixing	**K1D 008BL**		0.126
				By Ø 22 mm hole	**K1D 008B**		0.110
					K1D 008BX	(2)	0.188
			Rear		**K1D 508B**		0.150

(1) Ith = 12 A.
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

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Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Cam switches

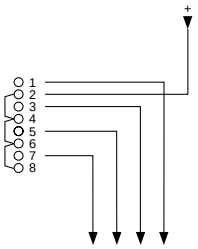
Adaptable sub-assemblies, 12 A

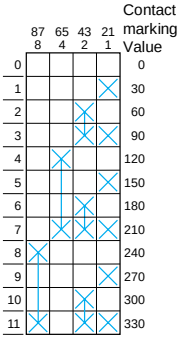
Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

BCD encoded output switches with “0” position (continued)

K●● 0●●●L



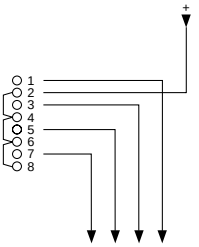


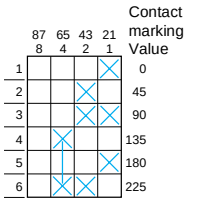
K●● 0●●●

Wiring diagram and switching programme	Switch position	Mounting method		Reference (1)		Weight kg
	9 decimal					
		Front	Multi-fixing	**K1D 009BL**		0.126
			By Ø 22 mm hole	**K1D 009B**		0.110
				K1D 009BX	(2)	0.188
		Rear		**K1D 509B**		0.150
	10 decimal					
		Front	Multi-fixing	**K1D 010BL**		0.126
			By Ø 22 mm hole	**K1D 010B**		0.110
		Rear		**K1D 510B**		0.150
	11 decimal					
		Front	Multi-fixing	**K1D 011BL**		0.126
			By Ø 22 mm hole	**K1D 011B**		0.110
		Rear		**K1D 511B**		0.150

BCD encoded output switches without “0” position

K●● 5●●●





K●● 0●●●X

Wiring diagram and switching programme	Switch position	Mounting method		Reference (1)		Weight kg
	1 and 2 decimal					
		Front	Multi-fixing	**K1B 022BL**		0.101
			By Ø 22 mm hole	**K1B 022B**		0.085
				K1B 022BX	(2)	0.163
		Rear		**K1B 522B**		0.125
	3 decimal					
		Front	Multi-fixing	**K1B 023BL**		0.101
			By Ø 22 mm hole	**K1B 023B**		0.085
				K1B 023BX	(2)	0.163
		Rear		**K1B 523B**		0.125
	4 decimal					
		Front	Multi-fixing	**K1C 024BL**		0.121
			By Ø 22 mm hole	**K1C 024B**		0.105
				K1C 024BX	(2)	0.183
		Rear		**K1C 524B**		0.140
	5 decimal					
		Front	Multi-fixing	**K1C 025BL**		0.121
			By Ø 22 mm hole	**K1C 025B**		0.105
				K1C 025BX	(2)	0.183
		Rear		**K1C 525B**		0.140
	6 decimal					
		Front	Multi-fixing	**K1C 026BL**		0.121
			By Ø 22 mm hole	**K1C 026B**		0.105
				K1C 026BX	(2)	0.183
		Rear		**K1C 526B**		0.140

(1) Ith = 12 A.
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Cam switches

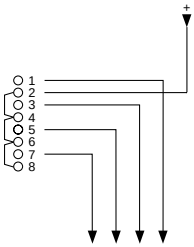
Adaptable sub-assemblies, 12 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

BCD encoded output switches without "0" position (continued)

K●● 0●●●L



K●● 0●●●

87 8	65 4	43 2	21 1	Contact marking Value
1			X	0
2		X		30
3		X	X	60
4	X			90
5			X	120
6		X		150
7	X	X	X	180
8	X			210
9			X	240
10		X		270
11		X	X	300
12	X	X		330

K●● 5●●●

K●● 0●●●X

Wiring diagram and switching programme	Switch position	Mounting method		Reference (1)		Weight kg
	7 decimal					
		Front	Multi-fixing	**K1C 027BL**		0.121
			By Ø 22 mm hole	**K1C 027B**		0.105
				K1C 027BX	(2)	0.183
		Rear		**K1C 527B**		0.140
	8 decimal					
		Front	Multi-fixing	**K1D 028BL**		0.126
			By Ø 22 mm hole	**K1D 028B**		0.110
				K1D 028BX	(2)	0.188
		Rear		**K1D 528B**		0.150
	9 decimal					
		Front	Multi-fixing	**K1D 029BL**		0.126
			By Ø 22 mm hole	**K1D 029B**		0.110
				K1D 029BX	(2)	0.188
		Rear		**K1D 529B**		0.150
	10 decimal					
		Front	Multi-fixing	**K1D 030BL**		0.126
			By Ø 22 mm hole	**K1D 030B**		0.110
				K1D 030BX	(2)	0.188
		Rear		**K1D 530B**		0.150
	11 decimal					
		Front	Multi-fixing	**K1D 031BL**		0.126
			By Ø 22 mm hole	**K1D 031B**		0.110
		Rear		**K1D 531B**		0.150
	12 decimal					
		Front	Multi-fixing	**K1D 032BL**		0.126
			By Ø 22 mm hole	**K1D 032B**		0.110
		Rear		**K1D 532B**		0.150

(1) Ith = 12 A.
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

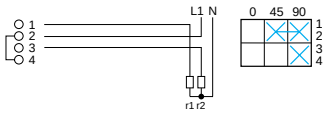
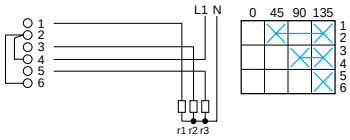
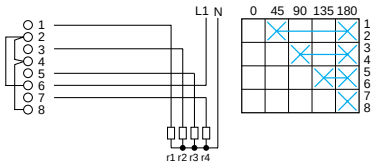
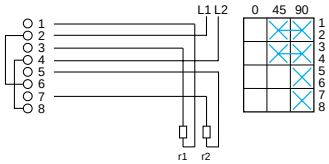
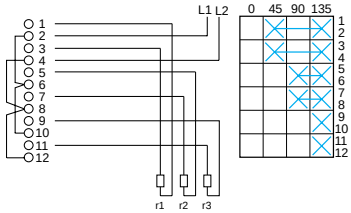
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Paralleling switches with "0" position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed *(1)*		Weight kg
1-pole for 2 loads							
			Front	Multi-fixing	**K●B 002GL**		0.101
				By Ø 22 mm hole	**K●B 002G**		0.085
					K●B 002GX	*(2)*	0.163
			Rear		**K●B 502G**		0.125
1-pole for 3 loads							
			Front	Multi-fixing	**K●C 003GL**		0.121
				By Ø 22 mm hole	**K●C 003G**		0.105
					K●C 003GX	*(2)*	0.183
			Rear		**K●C 503G**		0.140
1-pole for 4 loads							
			Front	Multi-fixing	**K●D 004GL**		0.126
				By Ø 22 mm hole	**K●D 004G**		0.110
					K●D 004GX	*(2)*	0.188
			Rear		**K●D 504G**		0.150
2-pole for 2 loads							
			Front	Multi-fixing	**K●D 012GL**		0.126
				By Ø 22 mm hole	**K●D 012G**		0.110
					K●D 012GX	*(2)*	0.188
			Rear		**K●D 512G**		0.150
2-pole for 3 loads							
			Front	Multi-fixing	**K●F 013GL**		0.156
				By Ø 22 mm hole	**K●F 013G**		0.140
					K●F 013GX	*(2)*	0.218
			Rear		**K●F 513G**		0.175

K●● 0●●●L

K●● 0●●●

K●● 5●●●

K●● 0●●●X

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1B 002G**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2B 002G**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

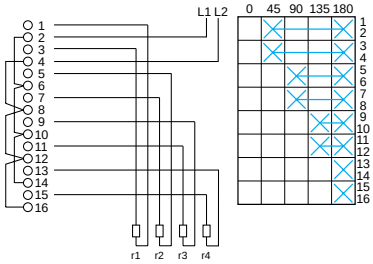
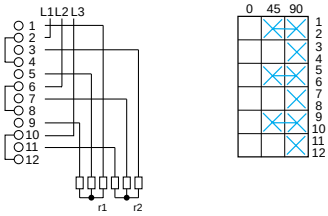
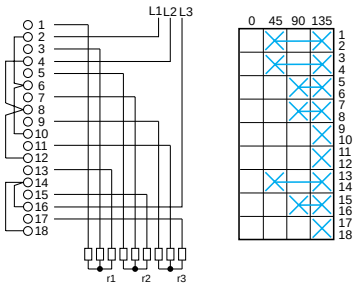
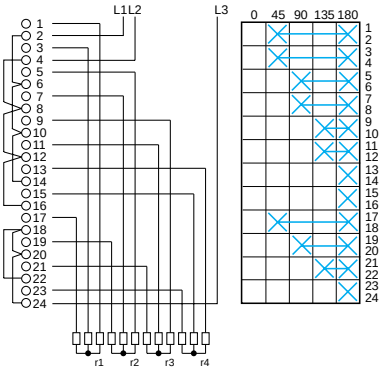
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Paralleling switches with "0" position (continued)

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
2-pole for 4 loads							
K●● 0●●●L			Front	Multi-fixing	**K●H 014GL**		0.181
				By Ø 22 mm hole	**K●H 014G**		0.165
					K●H 014GX	(2)	0.243
			Rear		**K●H 514G**		0.195
3-pole for 2 loads							
K●● 0●●●			Front	Multi-fixing	**K●F 022GL**		0.156
				By Ø 22 mm hole	**K●F 022G**		0.140
					K●F 022GX	(2)	0.218
			Rear		**K●F 522G**		0.175
3-pole for 3 loads							
K●● 5●●●			Front	Multi-fixing	**K●I 023GL**		0.201
				By Ø 22 mm hole	**K●I 023G**		0.185
					K●I 023GX	(2)	0.263
			Rear		**K●I 523G**		0.215
3-pole for 4 loads							
K●● 0●●●X			Front	Multi-fixing	**K●M 024GL**		0.241
				By Ø 22 mm hole	**K●M 024G**		0.225
					K●M 024GX	(2)	0.303
			Rear		**K●M 524G**		0.245

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1H 014G**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2H 014G**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

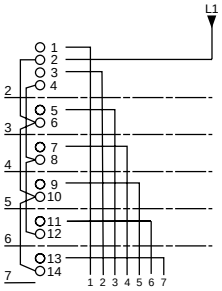
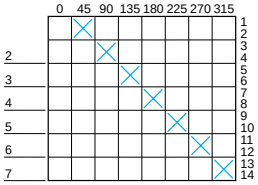
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 11 step), single-pole, with “0” position

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
	2 step + “0”				
K●● 0●●●L		Front	Multi-fixing	**K●B 002QL**	0.101
			By Ø 22 mm hole	**K●B 002Q**	0.085
				K●B 002QX (2)	0.163
		Rear		**K●B 502Q**	0.125
	3 step + “0”				
		Front	Multi-fixing	**K●C 003QL**	0.121
			By Ø 22 mm hole	**K●C 003Q**	0.105
				K●C 003QX (2)	0.183
		Rear		**K●C 503Q**	0.140
	4 step + “0”				
K●● 0●●●		Front	Multi-fixing	**K●D 004QL**	0.126
			By Ø 22 mm hole	**K●D 004Q**	0.110
				K●D 004QX (2)	0.188
		Rear		**K●D 504Q**	0.150
	5 step + “0”				
		Front	Multi-fixing	**K●E 005QL**	0.146
			By Ø 22 mm hole	**K●E 005Q**	0.130
				K●E 005QX (2)	0.208
K●● 5●●●		Rear		**K●E 505Q**	0.165
	6 step + “0”				
		Front	Multi-fixing	**K●F 006QL**	0.156
			By Ø 22 mm hole	**K●F 006Q**	0.140
				K●F 006QX (2)	0.218
		Rear		**K●F 506Q**	0.175
	7 step + “0”				
K●● 0●●●X		Front	Multi-fixing	**K●G 007QL**	0.176
			By Ø 22 mm hole	**K●G 007Q**	0.160
				K●G 007QX (2)	0.238
		Rear		**K●G 507Q**	0.190

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1B 002Q**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2B 002Q**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

Cam switches

Adaptable sub-assemblies, 12 and 20 AA

Bodies (contact blocks + fixing plate)

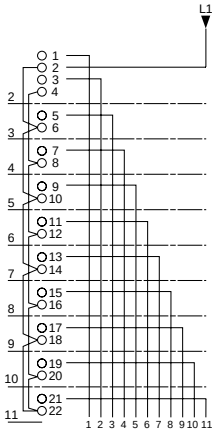
To combine with operating heads: see pages 3/66 and 3/67

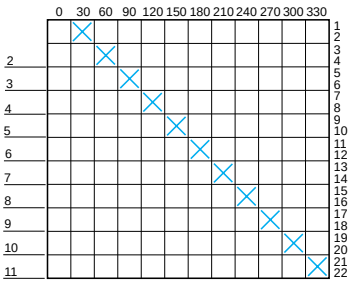
K●● 0●●●L

K●● 0●●●

K●● 5●●●

K●● 0●●●X





Stepping switches (2 to 11 step), single-pole, with "0" position (continued)

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	8 step + "0"					
		Front	Multi-fixing	**K●H 008QL**		0.181
			By Ø 22 mm hole	**K●H 008Q**		0.165
				K●H 008QX	(2)	0.243
		Rear		**K●H 508Q**		0.195
	9 step + "0"					
		Front	Multi-fixing	**K●I 009QL**		0.201
			By Ø 22 mm hole	**K●I 009Q**		0.185
				K●I 009QX	(2)	0.263
		Rear		**K●I 509Q**		0.215
	10 step + "0"					
		Front	Multi-fixing	**K●K 010QL**		0.211
			By Ø 22 mm hole	**K●K 010Q**		0.195
				K●K 010QX	(2)	0.273
		Rear		**K●K 510Q**		0.220
	11 step + "0"					
		Front	Multi-fixing	**K●L 011QL**		0.231
			By Ø 22 mm hole	**K●L 011Q**		0.215
				K●L 011QX	(2)	0.293
		Rear		**K●L 511Q**		0.240

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1H 008Q**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2H 008Q**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

Cam switches

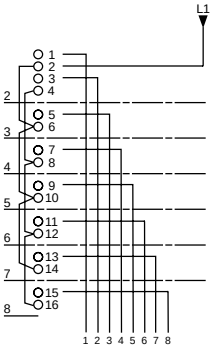
Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

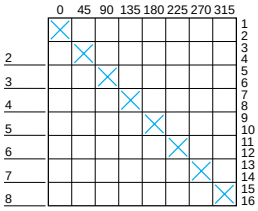
To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 12 step), single-pole, without "0" position

K●● 0●●●L

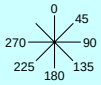
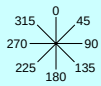


K●● 0●●●



K●● 5●●●

K●● 0●●●X

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	2 step					
		Front	Multi-fixing	**K●B 002NL**		0.101
			By Ø 22 mm hole	**K●B 002N**		0.085
				K●B 002NX	*(2)*	0.163
		Rear		**K●B 502N**		0.125
	3 step					
		Front	Multi-fixing	**K●C 003NL**		0.121
			By Ø 22 mm hole	**K●C 003N**		0.105
				K●C 003NX	*(2)*	0.183
		Rear		**K●C 503N**		0.140
	4 step					
		Front	Multi-fixing	**K●D 004NL**		0.126
			By Ø 22 mm hole	**K●D 004N**		0.110
				K●D 004NX	*(2)*	0.188
		Rear		**K●D 504N**		0.150
	5 step					
		Front	Multi-fixing	**K●E 005NL**		0.146
			By Ø 22 mm hole	**K●E 005N**		0.130
				K●E 005NX	*(2)*	0.208
		Rear		**K●E 505N**		0.165
	6 step					
		Front	Multi-fixing	**K●F 006NL**		0.156
			By Ø 22 mm hole	**K●F 006N**		0.140
				K●F 006NX	*(2)*	0.218
		Rear		**K●F 506N**		0.175
	7 step					
		Front	Multi-fixing	**K●G 007NL**		0.176
			By Ø 22 mm hole	**K●G 007N**		0.160
				K●G 007NX	*(2)*	0.238
		Rear		**K●G 507N**		0.190
	8 step					
		Front	Multi-fixing	**K●H 008NL**		0.181
			By Ø 22 mm hole	**K●H 008N**		0.165
				K●H 008NX	*(2)*	0.243
		Rear		**K●H 508N**		0.195

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1B 002N**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2B 002N**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

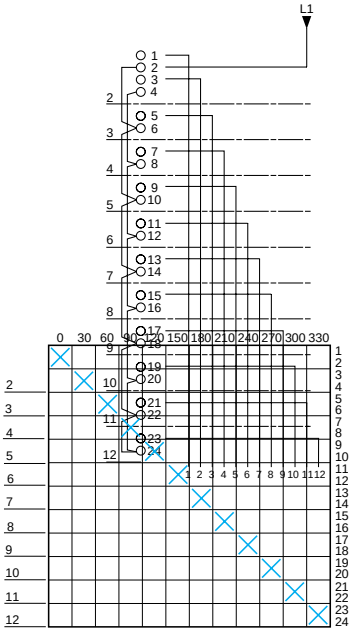
Stepping switches (2 to 12 step), single-pole, without “0” position (continued)

K●● 0●●●L

K●● 0●●●

K●● 5●●●

K●● 0●●●X



Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	9 step					
		Front	Multi-fixing	**K●I 009NL**		0.201
			By Ø 22 mm hole	**K●I 009N**		0.185
				K●I 009NX	(2)	0.263
		Rear		**K●I 509N**		0.215
	10 step					
		Front	Multi-fixing	**K●K 010NL**		0.211
			By Ø 22 mm hole	**K●K 010N**		0.195
				K●K 010NX	(2)	0.273
		Rear		**K●K 510N**		0.220
	11 step					
		Front	Multi-fixing	**K●L 011NL**		0.231
			By Ø 22 mm hole	**K●L 011N**		0.215
				K●L 011NX	(2)	0.293
		Rear		**K●L 511N**		0.240
	12 step					
		Front	Multi-fixing	**K●M 021NL**		0.241
			By Ø 22 mm hole	**K●M 021N**		0.225
				K●M 021NX	(2)	0.303
		Rear		**K●M 521N**		0.245

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1I 009N**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2I 009N**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

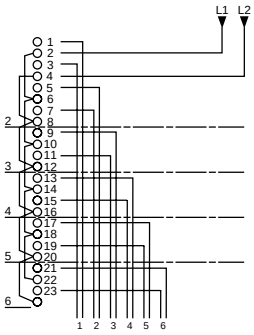
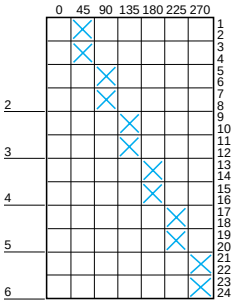
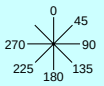
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 6 step), 2-pole, with "0" position

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	2 step + "0"					
K●● 0●●●L 		Front	Multi-fixing	**K●D 012QL**		0.126
			By Ø 22 mm hole	**K●D 012Q**		0.110
				K●D 012QX	*(2)*	0.188
		Rear		**K●D 512Q**		0.150
	3 step + "0"					
K●● 0●●● 		Front	Multi-fixing	**K●F 013QL**		0.156
			By Ø 22 mm hole	**K●F 013Q**		0.140
				K●F 013QX	*(2)*	0.218
		Rear		**K●F 513Q**		0.175
	4 step + "0"					
		Front	Multi-fixing	**K●H 014QL**		0.181
			By Ø 22 mm hole	**K●H 014Q**		0.165
				K●H 014QX	*(2)*	0.243
		Rear		**K●H 514Q**		0.195
	5 step + "0"					
K●● 5●●●		Front	Multi-fixing	**K●K 015QL**		0.211
			By Ø 22 mm hole	**K●K 015Q**		0.195
				K●K 015QX	*(2)*	0.273
		Rear		**K●K 515Q**		0.220
	6 step + "0"					
K●● 0●●●X		Front	Multi-fixing	**K●M 016QL**		0.241
			By Ø 22 mm hole	**K●M 016Q**		0.225
				K●M 016QX	*(2)*	0.303
		Rear		**K●M 516Q**		0.245

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1D 012Q**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2D 012Q**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

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Dimensions: page 3/74

Cam switches

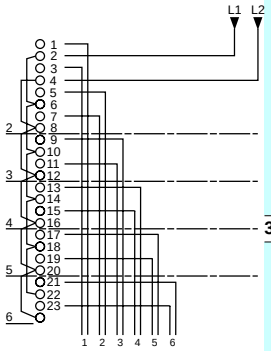
Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

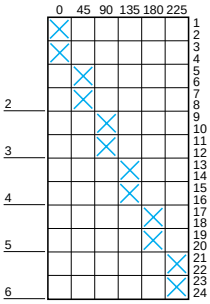
To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 6 step), 2-pole, without "0" position

K●● 0●●●L



K●● 0●●●



K●● 5●●●

K●● 0●●●X

Wiring diagram and switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
	2 step					
		Front	Multi-fixing	**K●D 012NL**		0.126
			By Ø 22 mm hole	**K●D 012N**		0.110
				K●D 012NX	*(2)*	0.188
		Rear		**K●D 512N**		0.150
	3 step					
		Front	Multi-fixing	**K●F 013NL**		0.156
			By Ø 22 mm hole	**K●F 013N**		0.140
				K●F 013NX	*(2)*	0.218
		Rear		**K●F 513N**		0.175
	4 step					
		Front	Multi-fixing	**K●H 014NL**		0.181
			By Ø 22 mm hole	**K●H 014N**		0.165
				K●H 014NX	*(2)*	0.243
		Rear		**K●H 514N**		0.195
	5 step					
		Front	Multi-fixing	**K●K 015NL**		0.211
			By Ø 22 mm hole	**K●K 015N**		0.195
				K●K 015NX	*(2)*	0.273
		Rear		**K●K 515N**		0.220
	6 step					
		Front	Multi-fixing	**K●M 016NL**		0.241
			By Ø 22 mm hole	**K●M 016N**		0.225
				K●M 016NX	*(2)*	0.303
		Rear		**K●M 516N**		0.245

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1D 012N**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2D 012N**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

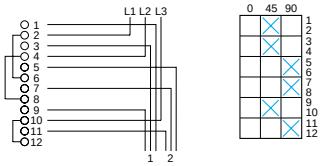
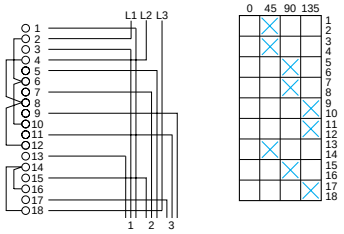
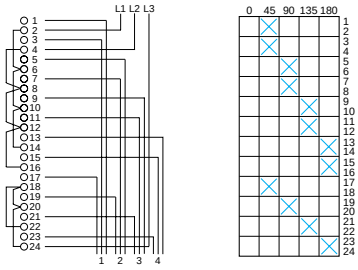
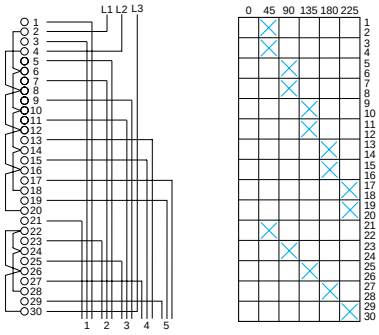
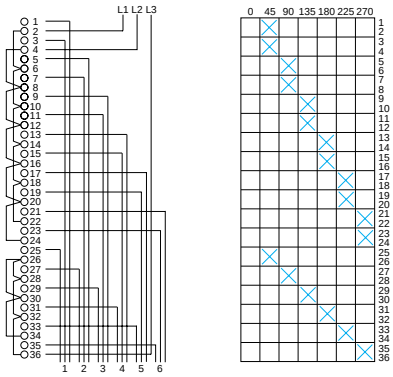
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 6 step), 3-pole, with “0” position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
K●● 0●●●L		**2 step + “0”**	Front	Multi-fixing	**K●F 022QL**		0.156
				By Ø 22 mm hole	**K●F 022Q**		0.140
					K●F 022QX	(2)	0.218
			Rear		**K●F 522Q**		0.175
		**3 step + “0”**	Front	Multi-fixing	**K●I 023QL**		0.201
				By Ø 22 mm hole	**K●I 023Q**		0.185
					K●I 023QX	(2)	0.263
			Rear		**K●I 523Q**		0.215
K●● 0●●●		**4 step + “0”**	Front	Multi-fixing	**K●M 024QL**		0.241
				By Ø 22 mm hole	**K●M 024Q**		0.225
					K●M 024QX	(2)	0.303
			Rear		**K●M 524Q**		0.245
K●● 5●●●		**5 step + “0”**	Front	Multi-fixing	**K●P 025QL**		0.286
				By Ø 22 mm hole	**K●P 025Q**		0.270
					K●P 025QX	(2)	0.348
			Rear		**K●P 525Q**		0.285
K●● 0●●●X		**6 step + “0”**	Front	Multi-fixing	**K●S 026QL**		0.321
				By Ø 22 mm hole	**K●S 026Q**		0.305
					K●S 026QX	(2)	0.383
			Rear		**K●S 526Q**		0.320

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1F 022Q**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2F 022Q**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

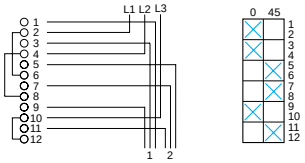
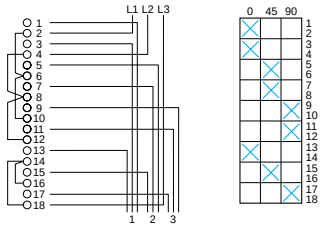
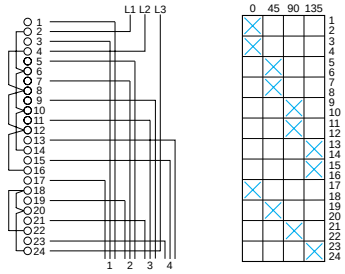
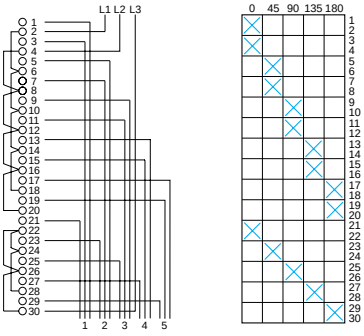
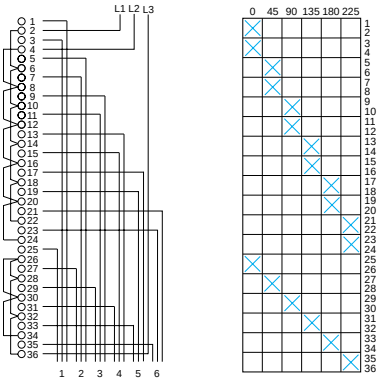
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 6 step), 3-pole, without "0" position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
K●● 0●●●L		**2 step**	Front	Multi-fixing	**K●F 022NL**		0.156
				By Ø 22 mm hole	**K●F 022N**		0.140
					K●F 022NX	(2)	0.218
			Rear		**K●F 522N**		0.175
		**3 step**	Front	Multi-fixing	**K●I 023NL**		0.201
				By Ø 22 mm hole	**K●I 023N**		0.185
					K●I 023NX	(2)	0.263
			Rear		**K●I 523N**		0.215
K●● 0●●●		**4 step**	Front	Multi-fixing	**K●M 024NL**		0.241
				By Ø 22 mm hole	**K●M 024N**		0.225
					K●M 024NX	(2)	0.303
			Rear		**K●M 524N**		0.245
K●● 5●●●		**5 step**	Front	Multi-fixing	**K●P 025NL**		0.286
				By Ø 22 mm hole	**K●P 025N**		0.270
					K●P 025NX	(2)	0.348
			Rear		**K●P 525N**		0.285
K●● 0●●●X		**6 step**	Front	Multi-fixing	**K●S 026NL**		0.321
				By Ø 22 mm hole	**K●S 026N**		0.305
					K●S 026NX	(2)	0.383
			Rear		**K●S 526N**		0.320

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1F 022N**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2F 022N**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

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Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

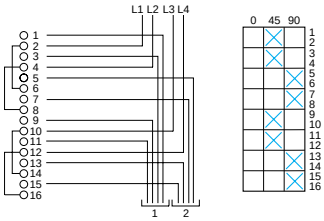
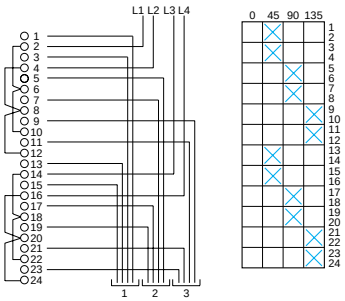
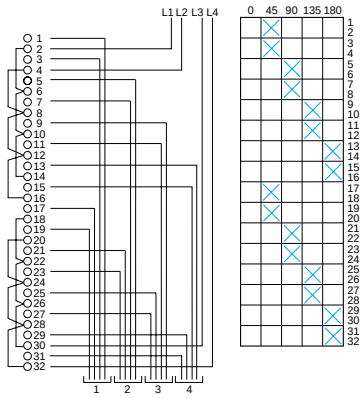
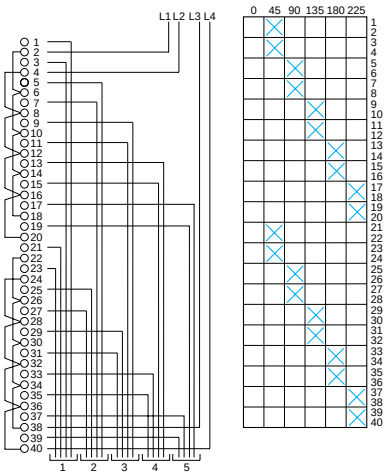
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 5 step), 4-pole, with "0" position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
K●● 0●●●L		**2 step + "0"**	Front	Multi-fixing	**K●H 032QL**	0.181
				By Ø 22 mm hole	**K●H 032Q**	0.165
					K●H 032QX (2)	0.200
			Rear		**K●H 532Q**	0.195
K●● 0●●●		**3 step + "0"**	Front	Multi-fixing	**K●M 033QL**	0.241
				By Ø 22 mm hole	**K●M 033Q**	0.225
			Rear		**K●M 533Q**	0.245
K●● 5●●●		**4 step + "0"**	Front	Multi-fixing	**K●Q 034QL**	0.296
				By Ø 22 mm hole	**K●Q 034Q**	0.280
			Rear		**K●Q 534Q**	0.295
K●● 0●●●X		**5 step + "0"**	Front	Multi-fixing	**K●U 035QL**	0.351
				By Ø 22 mm hole	**K●U 035Q**	0.335
			Rear		**K●U 535Q**	0.345

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1H 032Q**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2H 032Q**.*

*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

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Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

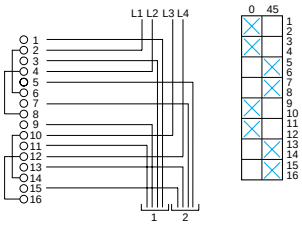
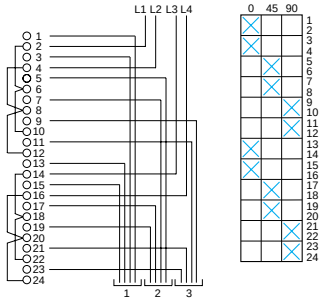
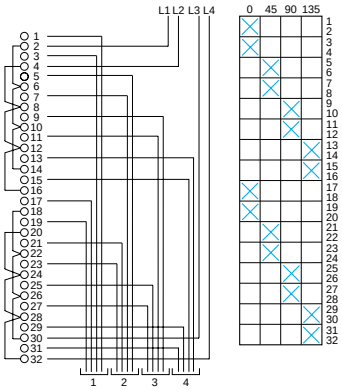
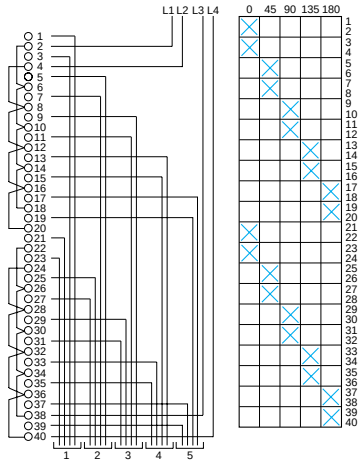
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 to 5 step), 4-pole, without "0" position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
K●● 0●●●L		**2 step**	Front	Multi-fixing	**K●H 032NL**	0.181
				By Ø 22 mm hole	**K●H 032N**	0.165
					K●H 032NX (2)	0.200
			Rear		**K●H 532N**	0.195
K●● 0●●●		**3 step**	Front	Multi-fixing	**K●M 033NL**	0.241
				By Ø 22 mm hole	**K●M 033N**	0.225
			Rear		**K●M 533N**	0.245
K●● 5●●●		**4 step**	Front	Multi-fixing	**K●Q 034NL**	0.296
				By Ø 22 mm hole	**K●Q 034N**	0.280
			Rear		**K●Q 534N**	0.295
K●● 0●●●X		**5 step**	Front	Multi-fixing	**K●U 035NL**	0.351
				By Ø 22 mm hole	**K●U 035N**	0.335
			Rear		**K●U 535N**	0.345

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1H 032N**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2H 032N**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

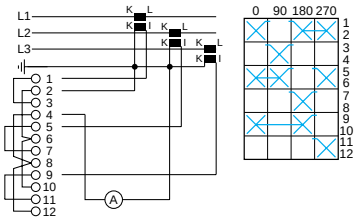
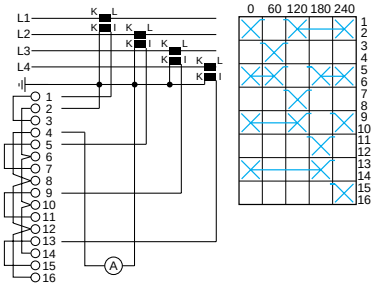
Cam switches

Adaptable sub-assemblies, 12 and 20 A

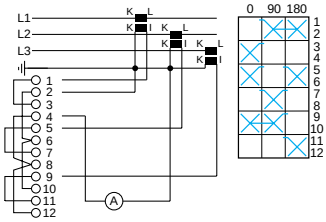
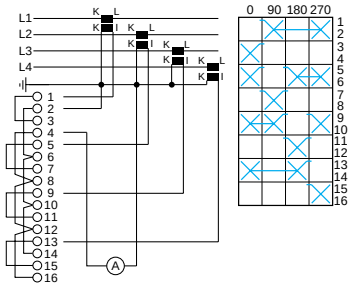
Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Ammeter switches with “0” position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
For 3 circuits							
K●● 0●●●L 			Front	Multi-fixing	**K●F 003ML**		0.156
				By Ø 22 mm hole	**K●F 003M**		0.140
					K●F 003MX	(2)	0.218
			Rear		**K●F 503M**		0.175
For 4 circuits							
K●● 0●●● 			Front	Multi-fixing	**K●H 004ML**		0.181
				By Ø 22 mm hole	**K●H 004M**		0.165
					K●H 004MX	(2)	0.243
			Rear		**K●H 504M**		0.195

Ammeter switches without “0” position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
For 3 circuits							
K●● 5●●● 			Front	Multi-fixing	**K●F 013ML**		0.156
				By Ø 22 mm hole	**K●F 013M**		0.140
					K●F 013MX	(2)	0.218
			Rear		**K●F 513M**		0.175
For 4 circuits							
K●● 0●●●X 			Front	Multi-fixing	**K●H 014ML**		0.181
				By Ø 22 mm hole	**K●H 014M**		0.165
					K●H 014MX	(2)	0.243
			Rear		**K●H 514M**		0.195

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1F 003M**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2F 003M**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

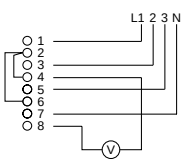
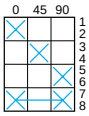
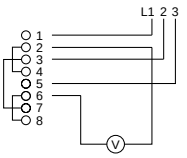
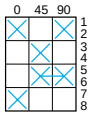
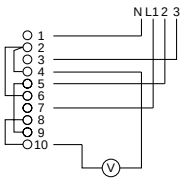
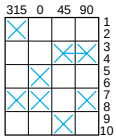
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Voltmeter switches

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
For measurements between 3 phases and neutral							
With "0" position							
K●● 0●●●L			Front	Multi-fixing	**K●D 023ML**		0.126
				By Ø 22 mm hole	**K●D 023M**		0.110
					K●D 023MX	(2)	0.188
			Rear		**K●D 523M**		0.150
Without "0" position							
			Front	Multi-fixing	**K●D 033ML**		0.126
				By Ø 22 mm hole	**K●D 033M**		0.110
			Rear		**K●D 533M**		0.150
For measurements between 3 phases							
With "0" position							
K●● 0●●●			Front	Multi-fixing	**K●D 024ML**		0.126
				By Ø 22 mm hole	**K●D 024M**		0.110
					K●D 024MX	(2)	0.188
			Rear		**K●D 524M**		0.150
Without "0" position							
K●● 5●●●			Front	Multi-fixing	**K●D 034ML**		0.126
				By Ø 22 mm hole	**K●D 034M**		0.110
			Rear		**K●D 534M**		0.150
For measurements between 3 phases and between 1 phase and neutral							
With "0" position							
K●● 0●●●X			Front	Multi-fixing	**K●E 025ML**		0.146
				By Ø 22 mm hole	**K●E 025M**		0.130
					K●E 025MX	(2)	0.208
			Rear		**K●E 525M**		0.165
Without "0" position							
			Front	Multi-fixing	**K●E 035ML**		0.146
				By Ø 22 mm hole	**K●E 035M**		0.130
					K●E 535M		0.165

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1D 023M**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2D 023M**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

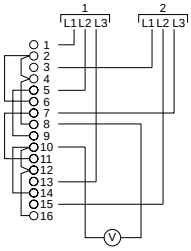
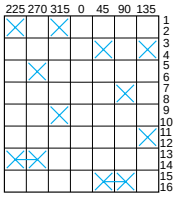
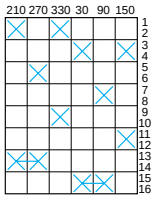
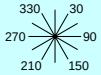
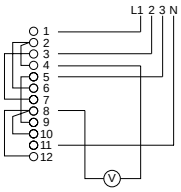
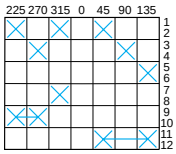
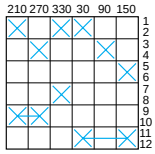
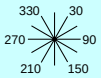
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Voltmeter switches (continued)

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed *(1)*	Weight kg
For measurements between 3 phases of 2 supplies						
	With "0" position					
			Front	Multi-fixing	**K●H 026ML**	0.181
				By Ø 22 mm hole	**K●H 026M**	0.165
			Rear		**K●H 526M**	0.195
	Without "0" position					
			Front	Multi-fixing	**K●H 036ML**	0.181
				By Ø 22 mm hole	**K●H 036M**	0.165
			Rear		**K●H 536M**	0.195
For measurements between 3 phases and between each of the 3 phases and neutral						
	With "0" position					
			Front	Multi-fixing	**K●F 027ML**	0.156
				By Ø 22 mm hole	**K●F 027M**	0.140
					K●F 027MX *(2)*	0.218
			Rear		**K●F 527M**	0.175
	Without "0" position					
			Front	Multi-fixing	**K●F 037ML**	0.156
				By Ø 22 mm hole	**K●F 037M**	0.140
			Rear		**K●F 537M**	0.175

K●● 0●●●L

K●● 0●●●

K●● 5●●●

K●● 0●●●X

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1H 026M**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2H 026M**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

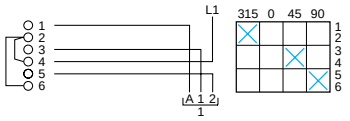
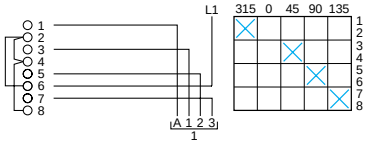
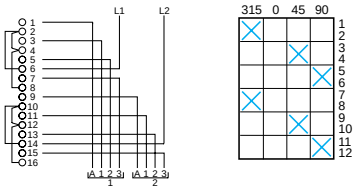
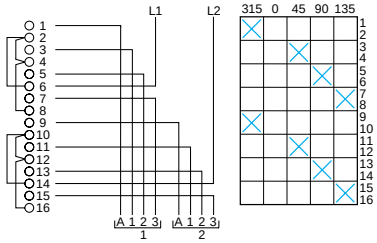
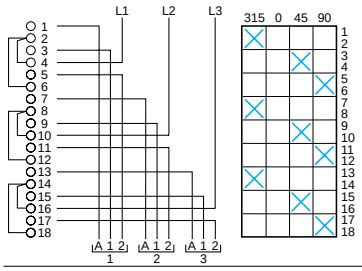
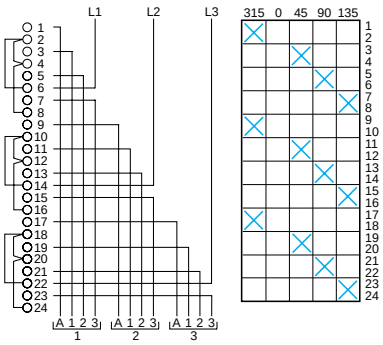
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Stepping switches (2 and 3 step), with "0" position + left-hand position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
K●● 0●●●L		**1-pole: 2 step to right + 1 step to left**	Front	Multi-fixing	**K●C 002LL**		0.121
				By Ø 22 mm hole	**K●C 002L**		0.105
					K●C 002LX	*(2)*	0.183
			Rear		**K●C 502L**		0.140
		**1-pole: 3 step to right + 1 step to left**	Front	Multi-fixing	**K●D 003LL**		0.126
				By Ø 22 mm hole	**K●D 003L**		0.110
					K●D 003LX	*(2)*	0.188
			Rear		**K●D 503L**		0.150
K●● 0●●●		**2-pole: 2 step to right + 1 step to left**	Front	Multi-fixing	**K●F 012LL**		0.156
				By Ø 22 mm hole	**K●F 012L**		0.140
					K●F 012LX	*(2)*	0.218
			Rear		**K●F 512L**		0.175
		**2-pole: 3 step to right + 1 step to left**	Front	Multi-fixing	**K●H 013LL**		0.181
				By Ø 22 mm hole	**K●H 013L**		0.165
					K●H 013LX		0.243
			Rear		**K●H 513L**		0.195
K●● 5●●●		**3-pole: 2 step to right + 1 step to left**	Front	Multi-fixing	**K●I 022LL**		0.201
				By Ø 22 mm hole	**K●I 022L**		0.185
			Rear		**K●I 522L**		0.210
K●● 0●●●X		**3-pole: 3 step to right + 1 step to left**	Front	Multi-fixing	**K●M 023LL**		0.241
				By Ø 22 mm hole	**K●M 023L**		0.225
			Rear		**K●M 523L**		0.245

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1C 002L**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2C 002L**.*

*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

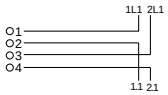
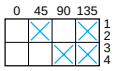
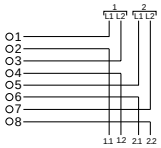
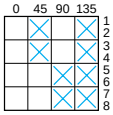
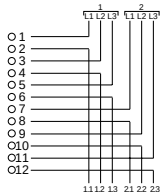
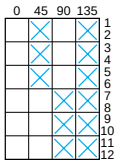
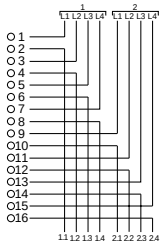
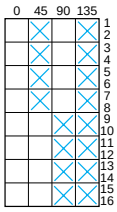
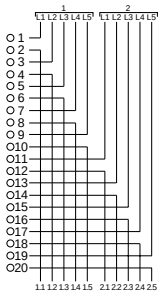
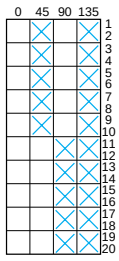
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Multi-circuit switches

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
1-pole							
			Front	Multi-fixing	**K●B 001SL**		0.101
				By Ø 22 mm hole	**K●B 001S**		0.085
					K●B 001SX	(2)	0.163
			Rear		**K●B 501S**		0.125
2-pole							
			Front	Multi-fixing	**K●D 002SL**		0.126
				By Ø 22 mm hole	**K●D 002S**		0.110
					K●D 002SX	(2)	0.188
			Rear		**K●D 502S**		0.150
3-pole							
			Front	Multi-fixing	**K●F 003SL**		0.156
				By Ø 22 mm hole	**K●F 003S**		0.140
					K●F 003SX	(2)	0.218
			Rear		**K●F 503S**		0.175
4-pole							
			Front	Multi-fixing	**K●H 004SL**		0.181
				By Ø 22 mm hole	**K●H 004S**		0.165
			Rear		**K●H 504S**		0.195
5-pole							
			Front	Multi-fixing	**K●K 005SL**		0.211
				By Ø 22 mm hole	**K●K 005S**		0.195
			Rear		**K●K 505S**		0.220

K●● 0●●●L

K●● 0●●●

K●● 5●●●

K●● 0●●●X

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1F 003S**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2F 003S**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

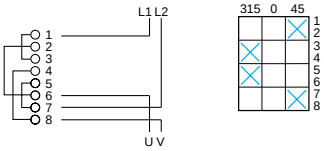
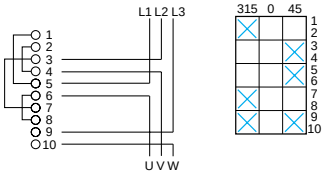
Cam switches

Adaptable sub-assemblies, 12 and 20 A

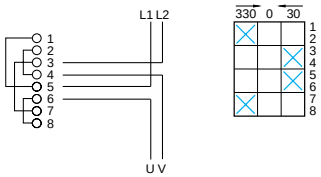
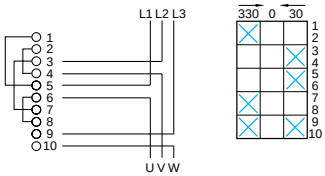
Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Reversing switches with "0" position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
2-pole							
K●● 0●●●L			Front	Multi-fixing	**K●D 002WL**		0.126
				By Ø 22 mm hole	**K●D 002W**		0.110
					K●D 002WX	(2)	0.188
			Rear		**K●D 502W**		0.150
3-pole							
K●● 0●●●			Front	Multi-fixing	**K●E 003WL**		0.146
				By Ø 22 mm hole	**K●E 003W**		0.130
					K●E 003WX	(2)	0.208
			Rear		**K●E 503W**		0.165

Reversing switches with spring return from 330° and from 30° to "0" position

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
2-pole							
K●● 5●●●			Front	Multi-fixing	**K●D 022WL**		0.126
				By Ø 22 mm hole	**K●D 022W**		0.110
					K●D 022WX	(2)	0.188
			Rear		**K●D 522W**		0.150
3-pole							
K●● 0●●●X			Front	Multi-fixing	**K●E 023WL**		0.146
				By Ø 22 mm hole	**K●E 023W**		0.130
					K●E 023WX	(2)	0.208
			Rear		**K●E 523W**		0.165

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1D 002W**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2D 002W**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

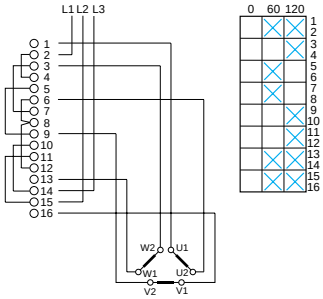
Cam switches

Adaptable sub-assemblies, 12 A

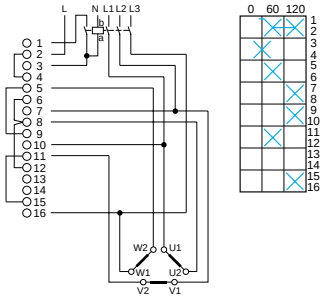
Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

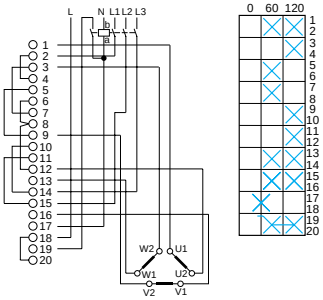
Star-delta switches

Wiring diagram	Switching programme	Switch position	Mounting method		Reference (1)		Weight kg
K●● 0●●●L			Front	Multi-fixing	**K2H 001YL**		0.181
				By Ø 22 mm hole	**K2H 001Y**		0.165
					K2H 001YX	(2)	0.243
			Rear		**K2H 501Y**		0.195

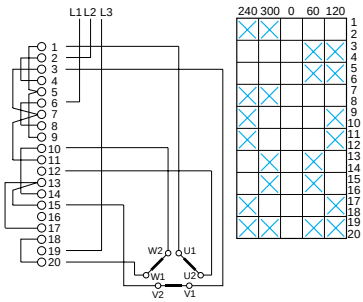
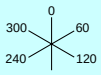
With slave contact, without supply disconnection

K●● 0●●●			Front	Multi-fixing	**K2G 003YL**		0.176
				By Ø 22 mm hole	**K2G 003Y**		0.160
					K2G 003YX	(2)	0.238
			Rear		**K2G 503Y**		0.190

With slave contact, with supply disconnection

K●● 5●●●			Front	Multi-fixing	**K2K 004YL**		0.211
				By Ø 22 mm hole	**K2K 004Y**		0.195
					K2K 004YX	(2)	0.273
			Rear		**K2K 504Y**		0.220

Reversing star-delta switches

Wiring diagram	Switching programme	Switch position	Mounting method		Reference (1)		Weight kg
Without slave contact							
K●● 0●●●X			Front	Multi-fixing	**K2K 006YL**		0.211
				By Ø 22 mm hole	**K2K 006Y**		0.195
			Rear		**K2K 506Y**		0.220

(1) Ith = 20 A.

(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type ***KAX Z1●●●.***

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

Telemecanique

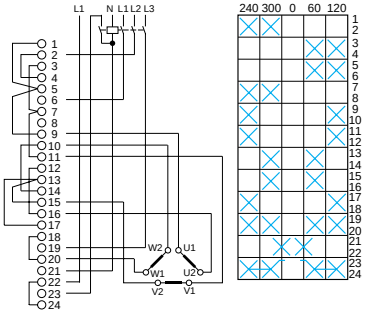
Cam switches

Adaptable sub-assemblies, 12 and 20 A

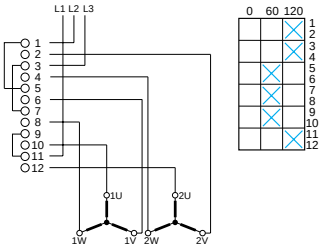
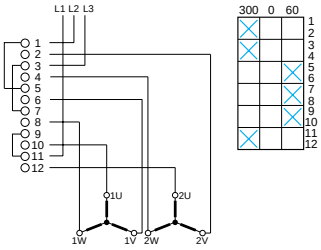
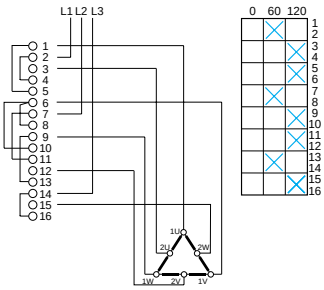
Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Reversing star-delta switches (continued)

Wiring diagram	Switching programme	Switch position	Mounting method		Reference (2)	Weight kg
With slave contact						
K●● 0●●●L			Front	Multi-fixing	**K2M 007YL**	0.241
				By Ø 22 mm hole	**K2M 007Y**	0.225
			Rear		**K2M 507Y**	0.245

Pole change switches for 2-speed motors

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
For motors with 2 separate windings						
K●● 0●●●			Front	Multi-fixing	**K●F 001PL**	0.156
				By Ø 22 mm hole	**K●F 001P**	0.140
					K●F 001PX (3)	0.218
			Rear		**K●F 501P**	0.175
For motors with 2 separate windings, with centre "0" position						
K●● 5●●●			Front	Multi-fixing	**K●F 002PL**	0.156
				By Ø 22 mm hole	**K●F 002P**	0.140
					K●F 002PX (3)	0.218
			Rear		**K●F 502P**	0.175
For motors with tapped "Dahlander" windings						
K●● 0●●●X			Front	Multi-fixing	**K●H 004PL**	0.181
				By Ø 22 mm hole	**K●H 004P**	0.165
					K●H 004PX (3)	0.243
			Rear		**K●H 504P**	0.195

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1F 001P**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2F 001P**.*
(2) Ith = 20 A.
*(3) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

Cam switches

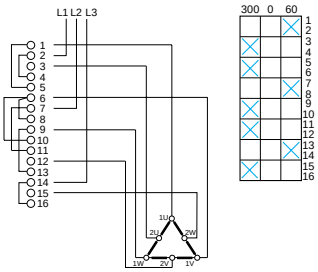
Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Pole change switches for 2-speed motors (continued)

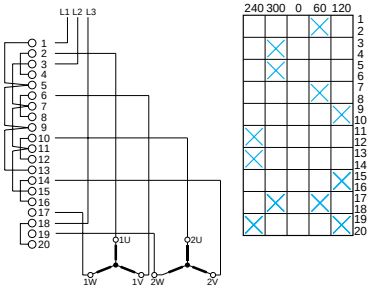
K●● 0●●●L



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
For motors with tapped "Dahlander" windings, with centre "0" position							
			Front	Multi-fixing	**K●H 005PL**		0.181
				By Ø 22 mm hole	**K●H 005P**		0.165
					K●H 005PX	(2)	0.243
			Rear		**K●H 505P**		0.195

Reversing pole change switches for 2-speed motors

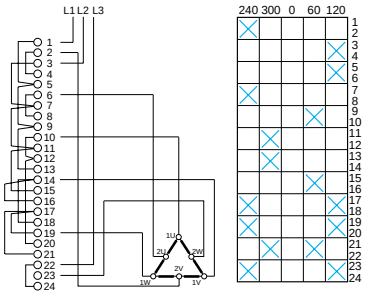
K●● 0●●●



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
For motors with 2 separate windings, with centre "0" position							
			Front	Multi-fixing	**K●K 008PL**		0.211
				By Ø 22 mm hole	**K●K 008P**		0.195
			Rear		**K●K 508P**		0.220

K●● 5●●●

For motors with tapped "Dahlander" windings, with centre "0" position



Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)		Weight kg
For motors with tapped "Dahlander" windings, with centre "0" position							
			Front	Multi-fixing	**K●M 009PL**		0.241
				By Ø 22 mm hole	**K●M 009P**		0.225
			Rear		**K●M 509P**		0.245

K●● 0●●●X

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1H 005P**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2H 005P**.*
*(2) Bodies using the Ø 22 mm hole mounting method that can be fitted with chromium plated metal bezel operating heads, type **KAX Z1●●●**.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

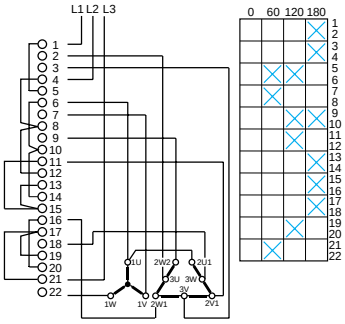
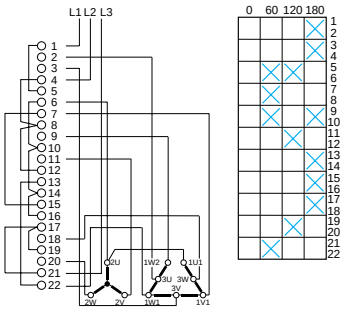
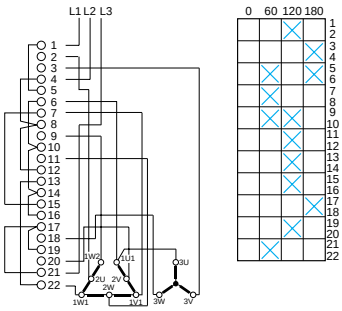
Cam switches

Adaptable sub-assemblies, 12 and 20 A

Bodies (contact blocks + fixing plate)

To combine with operating heads: see pages 3/66 and 3/67

Pole change switches for 3-speed motors

Wiring diagram	Switching programme	Switch position	Mounting method		Reference, to be completed (1)	Weight kg
For motors with open tapped "Dahlander" winding and separate winding for low speed						
K●● 0●●●L			Front	Multi-fixing	**K●L 010PL**	0.231
				By Ø 22 mm hole	**K●L 010P**	0.215
			Rear		**K●L 510P**	0.240
For motors with open tapped "Dahlander" winding and separate winding for intermediate speed						
K●● 0●●●			Front	Multi-fixing	**K●L 011PL**	0.231
				By Ø 22 mm hole	**K●L 011P**	0.215
			Rear		**K●L 511P**	0.240
For motors with open tapped "Dahlander" winding and separate winding for high speed						
K●● 5●●●			Front	Multi-fixing	**K●L 012PL**	0.231
				By Ø 22 mm hole	**K●L 012P**	0.215
			Rear		**K●L 512P**	0.240
K●● 0●●●X						

*(1) To order a cam switch with thermal current Ith = 12 A, replace the ● in the reference by **1**.*
*Example **K1L 010P**.*
*To order a cam switch with thermal current Ith = 20 A, replace the ● in the reference by **2**.*
*Example **K2L 010P**.*

Cam switches

Adaptable sub-assemblies, 12 and 20 A
Operating heads

To combine with bodies: see pages 3/34 to 3/65

KBG 3H

KCG 3Y

KAC 1H

KCC 1Y

KBC 1●

KBD 1H

Heads for "multi-fixing" front mounting bodies

Description	Switching angle and marking	Type of operator	Background colour of legend	Padlocking device	Reference	Weight kg
With 45 x 45 mm front plate and handle						
With blank legend (for engraving by user)	–	Black handle L = 35 mm	Matt black	Without	**KAG 3H**	0.012
			Metallic	Without	**KBG 3H**	0.012
With marked legend	90°	Red handle L = 35 mm	Yellow	Without	**KCG 3H**	0.012
				With	**KCG 3Y**	0.024
Without legend *(1)*	–	Black handle L = 35 mm	–	Without	**KDG 3H**	0.010
		Red handle L = 35 mm	–	With	**KDG 3Y**	0.022

Heads for Ø 22 mm hole, front mounting bodies

Description	Switching angle and marking	Type of operator	Background colour of legend	Padlocking device	Reference	Weight kg
With 45 x 45 mm front plate and handle						
With blank legend (for engraving by user)	–	Black handle L = 35 mm	Matt black	Without	**KAC 1H**	0.048
			Metallic	Without	**KBC 1H**	0.048
With marked legend	45°	Black handle L = 35 mm	Matt black	Without	**KAC 1H41**	0.012
			Metallic	Without	**KBC 1H41**	0.012
	45°	Black handle L = 35 mm	Matt black	Without	**KAC 1H48**	0.012
			Metallic	Without	**KBC 1H48**	0.012
	60°	Black handle L = 35 mm	Matt black	Without	**KAC 1H61**	0.048
			Metallic	Without	**KBC 1H61**	0.048
	90°	Red handle L = 35 mm	Yellow	Without	**KCC 1LH**	0.048
				With	**KCC 1Y**	0.060
Without legend *(1)*	–	Black handle L = 35 mm	–	Without	**KDC 1H**	0.046
		Red handle L = 35 mm	–	Without	**KDC 1LH**	0.046
With 45 x 45 mm front plate and key operator *(2)*						
With blank legend (for engraving by user)	45° and 90°	Key *(2)*	Matt black	Without	**KAC 1S**	0.063
			Metallic	Without	**KBC 1S**	0.063
	60°	Key *(2)*	Matt black	Without	**KAC 1Z**	0.063
			Metallic	Without	**KBC 1Z**	0.063
Without legend *(1)*	45° and 90°	Key *(2)*	–	Without	**KDC 1S**	0.061
	60°	Key *(2)*	–	Without	**KDC 1Z**	0.061
With 60 x 60 mm front plate and handle						
With blank legend (for engraving by user)	–	Black handle L = 42 mm	Matt black	Without	**KAD 1H**	0.053
			Metallic	Without	**KBD 1H**	0.053
With marked legend	90°	Red handle L = 42 mm	Yellow	Without	**KCD 1MH**	0.053
Without legend *(1)*	–	Black handle L = 42 mm	–	Without	**KDD 1H**	0.053

(1) For separate marked legend ordering information, see pages 3/68 to 3/71.
*(2) Head supplied with "Ronis" 8R1 key. To order a head with a "Ronis" 455 key, add the suffix **R** to the references listed above. Example: reference for Ø 22 mm hole, front mounting 45 x 45 mm operating head with 45° switching angle and matt black legend, becomes **KAC 1SR**. For a head with "Ronis" 8R15 key, use the suffix **R1**.*

Cam switches

Adaptable sub-assemblies, 12 and 20 A
Operating heads

To combine with bodies: see pages 3/34 to 3/65

KBD 1●

KBA 1H

KBA 1●

KAX Z1C12

KBE 1H

Heads for Ø 22 mm hole, front mounting bodies (continued)

Description	Switching angle and marking	Type of operator	Background colour of legend	Padlocking device	Reference	Weight kg
With 60 x 60 mm front plate and key operator *(1)*						
With blank legend (to be engraved by user)	45° and 90°	Key *(1)*	Matt black	Without	**KAD 1S**	0.068
			Metallic	Without	**KBD 1S**	0.068
	60°	Key *(1)*	Matt black	Without	**KAD 1Z**	0.068
			Metallic	Without	**KBD 1Z**	0.068
Without legend *(2)*	45° and 90°	Key *(1)*	–	Without	**KDD 1S**	0.066
	60°	Key *(1)*	–	Without	**KDD 1Z**	0.066
With Ø 29 mm, metallic finish, plastic bezel and handle or key operator *(1)*						
Description	**Switching angle and marking**	**Type of operator**	**Colour of bezel**	**Padlocking device**	**Reference**	**Weight kg**
Circular heads	–	Black handle L = 35 mm	Matt black	Without	**KAA 1H**	0.042
			Metallic	Without	**KBA 1H**	0.042
	45°	Key *(1)*	Matt black	Without	**KAA 1S**	0.057
			Metallic	Without	**KBA 1S**	0.057
	60°	Key *(1)*	Matt black	Without	**KAA 1Z**	0.057
			Metallic	Without	**KBA 1Z**	0.057
With Ø 38 mm, black, plastic bezel and handle						
Circular head	–	Black handle L = 35 mm	Matt black	Without	**KAA 2H**	0.048
With Ø 28.5 mm chromium plated, metal bezel *(3) (2)* **and standard, handle, long handle or key operator** *(4)*						
Circular heads	–	Standard black handle	Metal	Without	**KAX Z1M12**	0.040
		Standard red handle	Metal	Without	**KAX Z1M14**	0.040
		Long black handle	Metal	Without	**KAX Z1C12**	0.040
		Long red handle	Metal	Without	**KAX Z1C14**	0.040
	30°	Key	Metal	Without	**KAX Z1S13●** *(4)*	0.065
	45°	Key	Metal	Without	**KAX Z1S14●** *(4)*	0.065
	60°	Key	Metal	Without	**KAX Z1S16●** *(4)*	0.065
	90°	Key	Metal	Without	**KAX Z1S19●** *(4)*	0.065

Operating heads for 4 hole, rear mounting bodies

Description	Switching angle and marking	Type of operator	Background colour of legend	Padlocking device	Reference	Weight kg
With 45 x 45 mm front plate and handle						
With blank legend (to be engraved by user)	–	Black handle L = 35 mm	Matt black	Without	**KAE 1H**	0.029
			Metallic	Without	**KBE 1H**	0.029
With marked legend	90°	Red handle L = 35 mm	Yellow	Without	**KCE 1LH**	0.029
				With	**KCE 1Y**	0.060
Without legend *(2)*	–	Black handle L = 35 mm	–	Without	**KDE 1H**	0.027
		Red handle L = 35 mm	–	Without	**KDE 1LH**	0.027
With 60 x 60 mm front plate and handle						
With blank legend (to be engraved by user)	–	Black handle L = 42 mm	Matt black	Without	**KAF 1H**	0.068
			Metallic	Without	**KBF 1H**	0.068
With marked legend	90°	Red handle L = 42 mm	Yellow	Without	**KCF 1MH**	0.068
Without legend *(2)*	–	Black handle L = 42 mm		Without	**KDF 1H**	0.066

*(1) Head supplied with "Ronis" 8R1 key. To order a head with a "Ronis" 455 key, add the suffix **R** to the references listed above. Example: reference for operating head with 60 x 60 mm front plate, key operator, blank legend, 45° switching angle and matt black background, becomes **KAD 1SR.** For a head with "Ronis" 8R15 key, use the suffix **R1**.*
(2) For separate marked legend ordering information, see pages 3/68 to 3/71.
*(3) Heads **only** for use with bodies K●● ●●●●X, incorporating adaptor plate **KZ 127**. See pages 3/34 to 3/65.*
(4) To order:
*- a head with key n° 455, replace the ● in the reference by **1**. Example: **KAX Z1S131**,*
*- a head with key n° 421, replace the ● in the reference by **2**. Example: **KAX Z1S132**,*
*- a head with key n° 520, replace the ● in the reference by **3**. Example: **KAX Z1S133**,*
*- a head with a special key, replace the ● in the reference by **9**. Example: **KAX Z1S139** (state the key number on the order). Key withdrawal from all positions.*

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: pages 3/74 to 3/77

Cam switches

Adaptable sub-assemblies, 12 and 20 A

Legends for **MULTI-FIXING** heads

45 x 45 mm legends - marked *(1)*

White text on black background

30°

KZ 18032L

KZ 18033L

KZ 18312L

45°

KZ 18041L

KZ 18042L

KZ 18043L

KZ 18044L

KZ 18045L

KZ 18046L

KZ 18047L

KZ 18048L

KZ 18412L

KZ 18413L

KZ 18415L

KZ 18416L

KZ 18417L

KZ 18418L

KZ 18419L

KZ 18420L

KZ 18421L

KZ 18422FL

KZ 18423FL

KZ 18434L

KZ 18436FL

KZ 18451L

60°

KZ 18061L

KZ 18630L

KZ 18631L

KZ 18632L

KZ 18634L

KZ 18635L

KZ 18637L

KZ 18068L

90°

KZ 18091L

KZ 18093L

KZ 18913L

KZ 18931FL

Black text on yellow background

45°

KZ 19041L

90°

KZ 19093L

KZ 19098FL

KZ 19910L

45 x 45 mm legends - unmarked

Colour	Sold in lots of	Unit reference	Weight kg
Black	20	KZ 17L	0.003
Metallic	20	KZ 18L	0.003
Yellow	10	KZ 19L	0.003

(1) Weight = 0.003 kg.

Cam switches

Adaptable sub-assemblies, 12 and 20 A

Legends for **Ø 22 mm HOLE** mounting heads with plastic bezel

45 x 45 mm legends - marked *(1)*

Black text on metallic background

30°

KZ 18032

KZ 18312

45°

KZ 18041

KZ 18042

KZ 18043

KZ 18044

KZ 18045

KZ 18046

KZ 18047

KZ 18048

KZ 18412

KZ 18413

KZ 18415

KZ 18416

KZ 18417

KZ 18418

KZ 18419

KZ 18420

KZ 18421

KZ 18422F

KZ 18423F

KZ 18434

KZ 18436F

KZ 18451

60°

KZ 18061

KZ 18630

KZ 18631

KZ 18632

KZ 18634

KZ 18635

KZ 18637

KZ 18068

90°

KZ 18091

KZ 18093

KZ 18913

KZ 18931F

Black text on yellow background

45°

KZ 19041

90°

KZ 19093

KZ 19098F

KZ 19910

45 x 45 mm legends - unmarked

Colour	Sold in lots of	Unit reference	Weight kg
Black	20	KZ 17	0.003
Metallic	20	KZ 18	0.003
Yellow	10	KZ 19	0.003

60 x 60 mm legends - marked *(2)*

Black text on metallic background

45°

KZ 21041

KZ 21412

KZ 21048

KZ 21451

60°

KZ 21635

KZ 21637

90°

KZ 21910

KZ 21093

60 x 60 mm legends - unmarked

Colour	Sold in lots of	Unit reference	Weight kg
Black	20	KZ 20	0.005
Metallic	20	KZ 21	0.005
Yellow	10	KZ 22	0.005

(1) Weight = 0.003 kg.
(2) Weight = 0.005 kg.

Cam switches

Adaptable sub-assemblies, 12 and 20 A

Legends for **Ø 22 mm HOLE** mounting heads
with chromium plated metal bezel, type KAX Z1●●●

46 x 46 mm - marked (PVC) *(1)*

White text on black background

30°

XBC Y7226

XBC Y7227

XBC Y7228

XBC Y7229

XBC Y7236

XBC Y2250

XBC Y7238

XBC Y7239

45°

XBC Y7220

XBC Y7221

XBC Y7222

XBC Y7223

XBC Y7224

XBC Y7225

XBC Y7230

XBC Y7231

XBC Y7232

XBC Y7233

XBC Y7234

XBC Y7235

XBC Y2213

XBC Y2214

XBC Y2215

XBC Y2216

XBC Y7217

XBC Y7251

60°

XBC Y7212

XBC Y7240

XBC Y7241

XBC Y7242

XBC Y7243

XBC Y7268

XBC Y7168

XBC Y7064

90°

XBC Y2211

XBC Y2218

XBC Y2219

46 x 46 mm legends - unmarked (PVC)

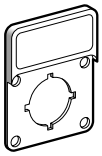
Colour	Sold in lots of	Unit reference	Weight kg
Black/red	10	**KZ 17X**	0.004
White/yellow	10	**KZ 19X**	0.004

(1) Weight = 0.004 kg.

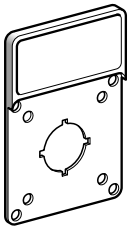
Cam switches

Adaptable sub-assemblies, 12 and 20 A

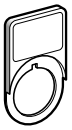
Legend holders for heads



KZ 13

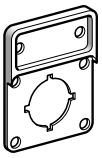


KZ 15



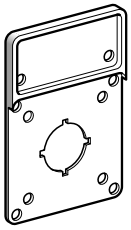
KZ 01R

KZ 2

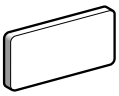


KZ 14

KZ 76



KZ 16



KZ 77

Legend holders with and without legend

Description	For use with heads	Legend marking	Sold in lots of	Unit reference	Weight kg
With blank legend	With 45 x 45 mm front plate *(1)*	–	5	**KZ 13**	0.004
	With 60 x 60 mm front plate *(1)*	–	5	**KZ 15**	0.010
	Circular, with Ø 29 mm collar	–	5	**KZ 01R** ▲	0.010
With marked legend	Circular, with Ø 29 mm collar	1 2	1	**KZ 1**	0.003
		2 0 1	5	**KZ 2**	0.003
Without legend	With 45 x 45 mm front plate *(1)*	–	20	**KZ 14**	0.003
	With 60 x 60 mm front plate *(1)*	–	10	**KZ 16**	0.007

Blank legends (for engraving) for legend holders

Description	For use with heads	Sold in lots of	Unit reference	Weight kg
Legend for legend holder **KZ 14** Plastic with metallic finish. Self-adhesive. For engraved markings.	With 45 x 45 mm front plate *(1)*	20	**KZ 76**	0.002
Legend for legend holder **KZ 16** Plastic with metallic finish. Self-adhesive. For engraved markings.	With 60 x 60 mm front plate *(1)*	10	**KZ 77**	0.003

(1) Operating heads for single Ø 22 mm hole or 4 hole mounting.

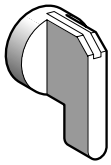
▲ Available: 1st quarter 2005.

Cam switches

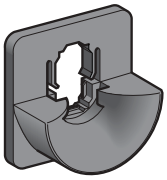
Complete switches, 12 and 20 A

Separate components and accessories

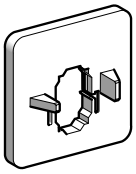
KZ 27H



KZ 27

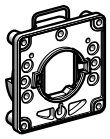


KZ 32

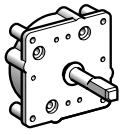


KZ 83

KZ 127



KZ 140



KZ 141

3

Handles

Description	Colour	Dimensions	Sold in lots of	Unit reference	Weight
		mm			kg
New shape	Black	35	5	**KZ 27H**	0.007
		42	5	**KZ 28H**	0.009
	Red	35	5	**KZ 41H**	0.007
		42	5	**KZ 42H**	0.009
Old shape	Black	34	5	**KZ 27**	0.007
		42	5	**KZ 28**	0.009

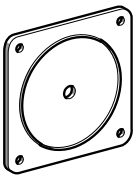
Accessories

Description	For use with	Dimensions	Sold in lots of	Unit reference	Weight
		mm			kg
Door interlocking plate	Rear mounting switches	45 x 45	5	**KZ 32**	0.010
Plate with rubber seal	Rear mounting switches. IP 65 between front plate and operating head	60 x 60	5	**KZ 83**	0.018
Adaptor plate, metal (replacement)	Mounting KAX Z1●●● chromium plated metal bezel heads on front mounting bodies for Ø 22 mm hole	–	1	**KZ 127**	0.088
Plastic plate (replacement)	Ø 22 mm hole, front mounting, clip-in bodies	–	1	**KZ 140**	0.010
Multi-fixing plate (replacement)	“Multi-fixing”, front mounting, bodies	–	1	**KZ 141**	0.026

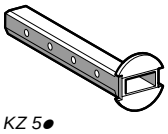
Cam switches

Complete switches, 12 and 20 A

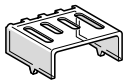
Separate components and accessories



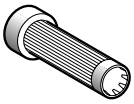
KZ 6●



KZ 5●



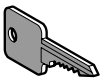
KZ 3●



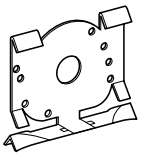
Z 01

KZ 30

KZ 93

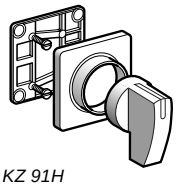


Z 18



KZ 31

KZ 95



KZ 91H

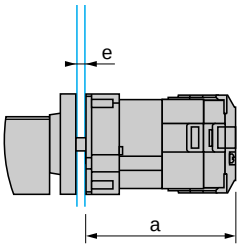
Accessories (continued)

Description	For use with		Sold in lots of	Unit reference	Weight kg
Rubber seals for IP 65 degree of protection	Ø 22 mm or 4 hole, front mounting, operating heads with 45 x 45 mm front plate		5	**KZ 65**	0.003
	Ø 22 mm or 4 hole, front mounting, operating heads with 60 x 60 mm front plate		5	**KZ 66**	0.004
	Multi-fixing operating heads with 45 x 45 mm front plate		5	**KZ 73**	0.004
Shaft couplers	Ø 6 mm shaft	Length = 26 mm	3	**KZ 52**	0.007
		Length = 60 mm	3	**KZ 50**	0.013
Terminal covers	Contact blocks	4 contacts	1	**KZ 35**	0.010
		8 contacts	1	**KZ 36**	0.020
		12 contacts	1	**KZ 37**	0.004
		16 contacts	1	**KZ 38**	0.040
		20 contacts	1	**KZ 39**	0.050
Nut wrench	M22 fixing nuts		5	**Z 01**	0.010
Fixing nut, M22	Fixing operating heads on panel or in an enclosure		5	**KZ 30**	0.007
Mounting adaptor	Converting Ø 30.5 mm fixing hole to Ø 22.5 mm		50	**KZ 93**	0.003
Keys	8D1 key lock		2	**Z 18**	0.010
	“Ronis” 8R1 key lock		2	**Z 18R1**	0.010
	“Ronis” 455 key lock		2	**Z 18R**	0.010
	“Ronis” 8R15 key lock		2	**Z 18R15**	0.010
Quick assembly device	Mounting on 35 mm rails to DIN 46277. 2 fixing screws included for rear mounting		5	**KZ 31**	0.030
Fixing screws 3.5 x 16 mm	4 hole fixing operating heads		100	**KZ 95**	0.001
Cam switch installation kit Comprising: - mounting plate, - 45 x 45 mm front plate, without legend - black handle, length 35 mm (KZ 27H), - 2 fixing screws	Installation of a cam switch on a distribution panel		1	**KZ 91H**	0.010

Cam switches
Complete switches, 12 and 20 A

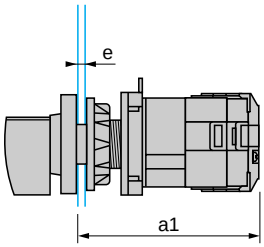
Operating heads and bodies, front mounting

"Multi-fixing"

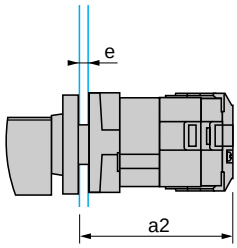


By Ø 22 mm hole

With plastic base



With metal base

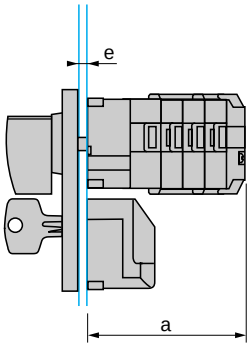


e: support panel thickness 1 to 6 mm.

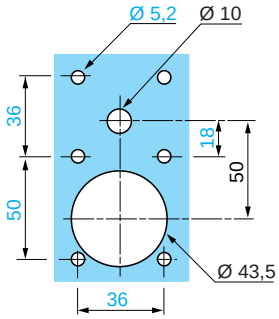
3

Front mounting by 6 screws Ø 5.2 mm and 55 x 100 mm front plate for cam switch with key operated lock

With plastic base and key locking



Panel cut-out



e: support panel thickness 1 to 6 mm.

Type of switch	Operating head + body, front mounting		
	Multi-fixing or by 6 screws Ø 5.2 mm with 55 x 100 mm front plate	By Ø 22 mm hole	
		Plastic base	Metal base
	a	a1	a2
K●A ●●●●, K●B ●●●●	53	70.5	61
K●C ●●●●, K●D ●●●●	63	80.5	71
K●E ●●●●, K●F ●●●●	73	90.5	81
K●G ●●●●, K●H ●●●●	83	100.5	91
K●I ●●●●, K●K ●●●●	93	110.5	101
K●L ●●●●, K●M ●●●●	103	120.5	111
K●N ●●●●, K●O ●●●●	113	130.5	121
K●P ●●●●, K●Q ●●●●	123	140.5	131
K●R ●●●●, K●S ●●●●	133	150.5	141
K●T ●●●●, K●U ●●●●	143	160.5	151

General:
pages 3/14 to 3/17

Characteristics:
pages 3/18 and 3/19

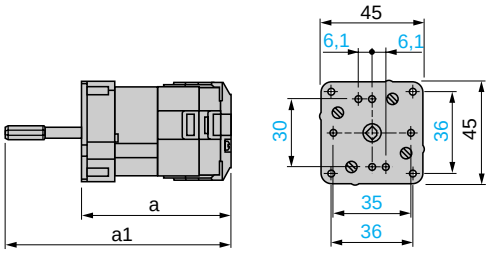
References:
pages 3/20 to 3/65

Cam switches

Adaptable sub-assemblies, 12 and 20 A

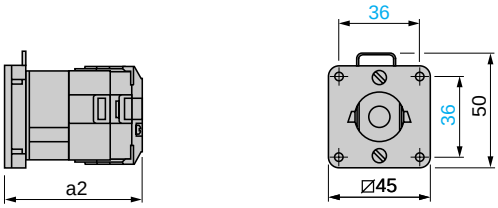
Bodies

Front mounting "multi-fixing", 2 or 4 screws



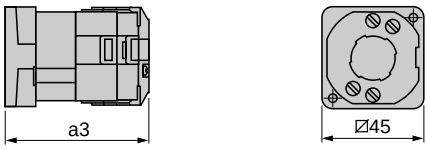
Front mounting by Ø 22 mm hole

With plastic base

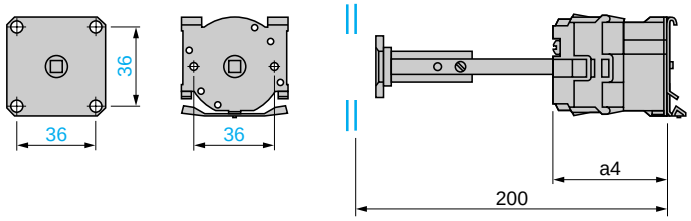


Front mounting by Ø 22 mm hole

With metal base, secured by needle screws



Rear mounting

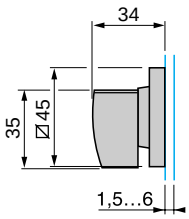


Type of body	Front mounting				Rear mounting
	Multi-fixing		By Ø 22 mm hole		
			Plastic base	Metal base	
	a	a1	a2	a3	a4
K●A ●●●●, K●B ●●●●	53	77	49	55	42.5
K●C ●●●●, K●D ●●●●	63	87	59	65	52.5
K●E ●●●●, K●F ●●●●	73	97	69	75	62.5
K●G ●●●●, K●H ●●●●	83	107	79	85	72.5
K●I ●●●●, K●K ●●●●	93	117	89	95	82.5
K●L ●●●●, K●M ●●●●	103	127	99	105	92.5
K●N ●●●●, K●O ●●●●	113	137	109	115	102.5
K●P ●●●●, K●Q ●●●●	123	147	119	125	112.5
K●R ●●●●, K●S ●●●●	133	157	129	135	122.5
K●T ●●●●, K●U ●●●●	143	167	139	145	132.5

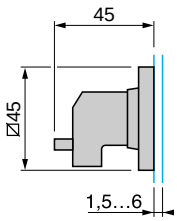
Operating heads and legend holders

For "multi-fixing", front mounting bodies

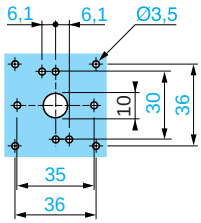
K●G 3H



KDG 3Y



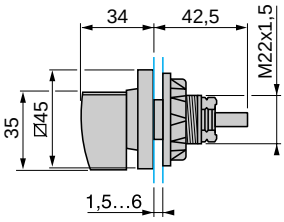
Panel cut-out *(1)*



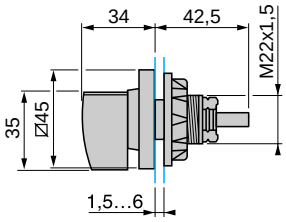
(1) Ø 10 mm central hole for operating shaft access. 2 or 4 holes for cam switch fixings (choice made by installer).

For Ø 22 mm hole, front mounting bodies - with 45 x 45 mm front plate

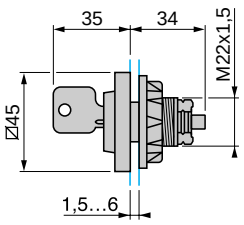
K●C 1H, K●C 1H●●, K●C 1LH



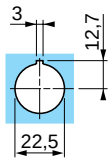
KCC 1Y



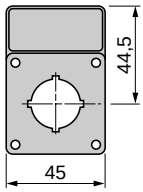
K●C 1S, K●C 1Z



Panel cut-out



KZ 13, KZ 14



General:
pages 3/14 to 3/17

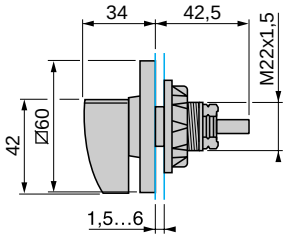
Characteristics:
pages 3/18 and 3/19

References:
pages 3/20 to 3/65

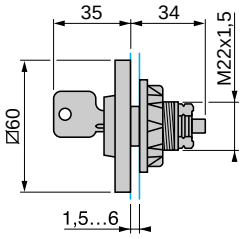
Operating heads and legend holders (continued)

For Ø 22 mm hole, front mounting bodies - with 60 x 60 mm front plate

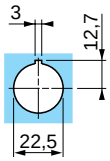
K●D 1H, KCD 1MH



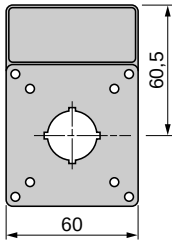
K●D 1S, K●D 1Z



Panel cut-out



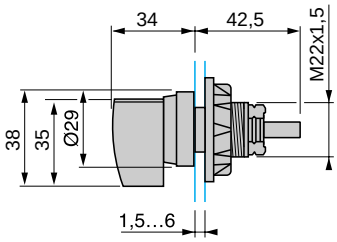
KZ 15, KZ 16



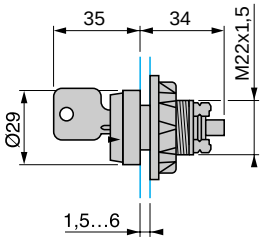
3

For Ø 22 mm hole, front mounting bodies - with Ø 29 mm metallic finish plastic bezel
Head + adaptor plate

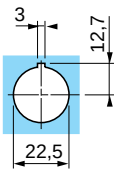
K●A 1H



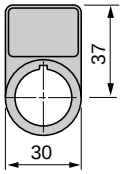
K●A 1S, K●A 1Z



Panel cut-out

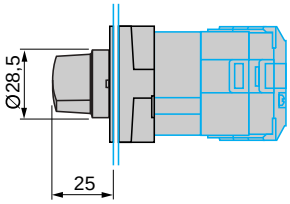


KZ 01R, KZ 1, KZ 2

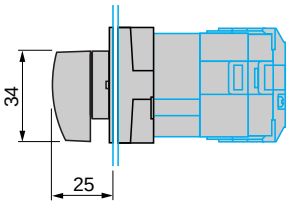


For Ø 22 mm hole, front mounting bodies - with Ø 28.5 mm chromium plated metal bezel

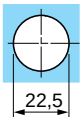
KAX Z1M1● + KZ 127



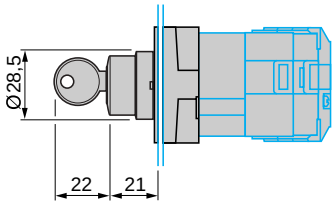
KAX Z1C1● + KZ 127



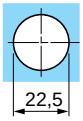
Panel cut-out



KAX Z1S1● + KZ 127



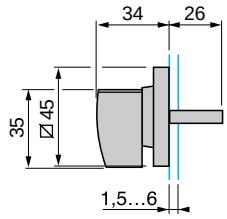
Panel cut-out



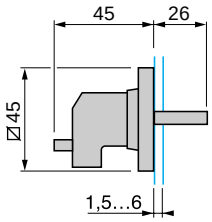
Operating heads and legend holders (continued)

For 4 hole, rear mounting bodies - with 45 x 45 mm front plate

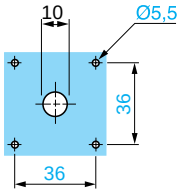
K●E 1H, K●E 1LH



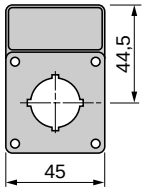
KCE 1Y



Panel cut-out

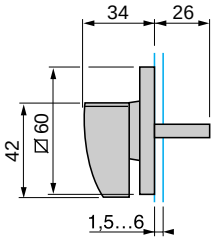


KZ 13, KZ 14

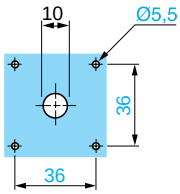


For 4 hole, rear mounting bodies - with 60 x 60 mm front plate

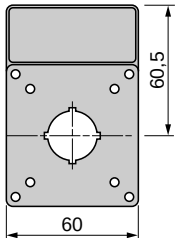
K●F 1H, KCF 1MH



Panel cut-out

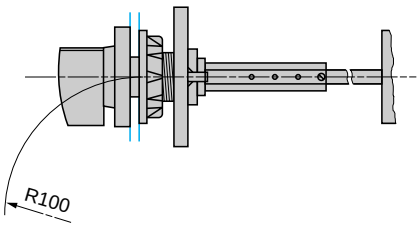


KZ 15, KZ 16



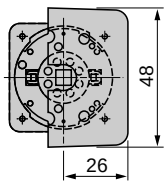
Shaft coupler and door interlock

(minimum door opening radius in mm)



Terminal cover

KZ 3●



Convention used for switching programme representation

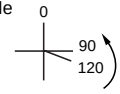
Contact closed

Contact closed in 2 positions and maintained between the 2 positions

Sealed assembly for auto-maintain control

Overlapping contacts

Spring return position: for a switching angle of 90°, spring return is over 30° after the last position (for a maximum of 3 simultaneous contacts).
Example



Cam switches

Switches mounted in plastic enclosure, 10 and 16 A

KA● ●●●●G

"Emergency stop" switches

Specifications

- PVC enclosure.
- 60 x 60 mm operating head, red handle (without padlocking device) *(1)* on yellow background. Marking: O I.
- Legend holder with metallic finish blank legend.

Composition *(2)* Poles	N	N/O	N/C	Thermal current (Ithe) *(3)*	Reference	Weight
				A		kg
1	–	–	–	10	**KA1 A050G**	0.365
				16	**KA2 A050G**	0.365
3	–	–	–	10	**KA1 C051G**	0.390
				16	**KA2 C051G**	0.390
3	1	–	–	10	**KA1 D052G**	0.400
				16	**KA2 D052G**	0.400
3	–	1	–	10	**KA1 D053G**	0.400
				16	**KA2 D053G**	0.400
3	–	1	1	10	**KA1 E054G**	0.694
				16	**KA2 E054G**	0.694
3	–	2	2	10	**KA1 G055G**	0.719
				16	**KA2 G055G**	0.719
3	1	1	1	10	**KA1 F056G**	0.704
				16	**KA2 F056G**	0.704
6	–	–	–	10	**KA1 F057G**	0.704
				16	**KA2 F057G**	0.704
6	1	–	–	10	**KA1 G058G**	0.719
				16	**KA2 G058G**	0.719
6	–	1	–	10	**KA1 G059G**	0.719
				16	**KA2 G059G**	0.719
6	–	1	1	10	**KA1 H060G**	0.724
				16	**KA2 H060G**	0.724
9	–	–	–	10	**KA1 I061G**	0.744
				16	**KA2 I061G**	0.744
9	1	–	–	10	**KA1 K062G**	0.749
				16	**KA2 K062G**	0.719
9	–	1 *(4)*	–	10	**KA1 K063G**	0.719
				16	**KA2 K063G**	0.719

*(1) To order a switch with a red padlockable handle (up to 3 padlocks), replace the letter **A** (2nd letter) in the references shown above by the letter **C**.*
*Example : **KA1 A050G** becomes **KC1 A050G**.*
(2) Poles : main contacts
- *N/O contact : late make (unballasting contact)*
- *N/C contact : signalling contact*
- *Neutral conductor (N) : early make, late break.*

(3) Permissible power, AC-23 at 400 V :
- *K1 switches : 2.2 kW,*
- *K2 switches : 5.5 kW.*

(4) Contact not late make.

Dimensions:
page 3/77

Cam switches

Switches mounted in plastic enclosure, 10 and 16 A

KD● ●●●●G

OFF-ON switches

Specifications

- PVC enclosure.
- 60 x 60 mm operating head, black handle (without padlocking device) on metallic background. Marking: O I.
- Legend holder with metallic finish blank legend.

Composition (1) Poles	N	N/O	N/C	Thermal current (Ithe) (2)	Reference	Weight
				A		kg
1	–	–	–	10	KD1 A050G	0.365
				16	KD2 A050G	0.365
3	–	–	–	10	KD1 C051G	0.390
				16	KD2 C051G	0.390
3	1	–	–	10	KD1 D052G	0.400
				16	KD2 D052G	0.400
3	–	1	–	10	KD1 D053G	0.400
				16	KD2 D053G	0.400
3	–	1	1	10	KD1 E054G	0.694
				16	KD2 E054G	0.694
3	–	2	2	10	KD1 G055G	0.719
				16	KD2 G055G	0.719
3	1	1	1	10	KD1 F056G	0.704
				16	KD2 F056G	0.704
6	–	–	–	10	KD1 F057G	0.704
				16	KD2 F057G	0.704
6	1	–	–	10	KD1 G058G	0.719
				16	KD2 G058G	0.719
6	–	1	–	10	KD1 G059G	0.719
				16	KD2 G059G	0.719
6	–	1	1	10	KD1 H060G	0.724
				16	KD2 H060G	0.724
9	–	–	–	10	KD1 I061G	0.744
				16	KD2 I061G	0.744
9	1	–	–	10	KD1 K062G	0.749
				16	KD2 K062G	0.749
9	–	1 (3)	–	10	KD1 K063G	0.749
				16	KD2 K063G	0.749

(1) Poles : main contacts
▫ N/O contact : late make (unballasting contact)
▫ N/C contact : signalling contact
▫ Neutral conductor (N) : early make, late break.
(2) Permissible power, AC-23 at 400 V :
▫ K1 switches : 2.2 kW,
▫ K2 switches : 5.5 kW.
(3) Contact not late make.

Dimensions:
page 3/77

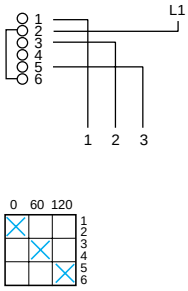
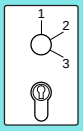
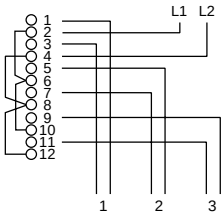
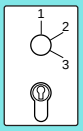
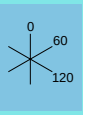
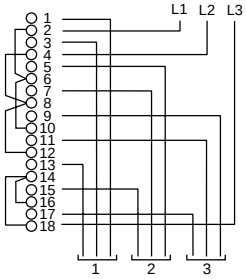
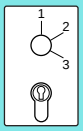
Cam switches

Complete switches, 12 A with key operated lock

Front mounting by 6 screws Ø 5.2 mm
with 55 x 100 mm front plate

K1C 003NZ2

Stepping switches (3 step), without “0” position

Wiring diagram and switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
1-pole				
		Red	**K1C 003NZ2**	0.170
		Black	**K1C 003NZ4**	0.170
2-pole				
		Red	**K1F 013NZ2**	0.170
		Black	**K1F 013NZ4**	0.170
3-pole				
		Red	**K1I 023NZ2**	0.170
		Black	**K1I 023NZ4**	0.170

General:
pages 3/14 to 3/17

Characteristics:
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Dimensions:
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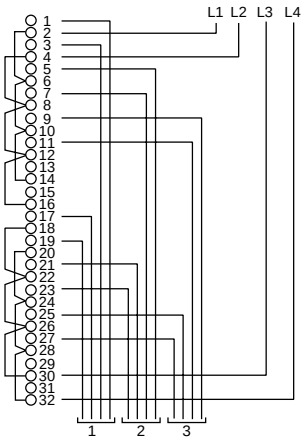
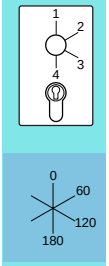
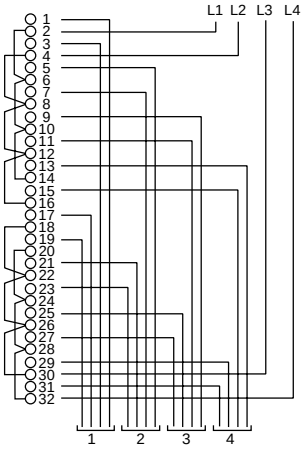
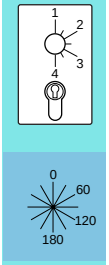
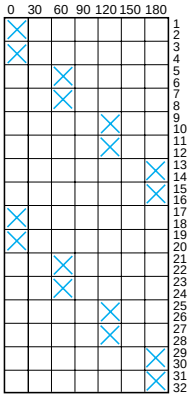
Cam switches

Complete switches, 12 A with key operated lock

Front mounting by 6 screws Ø 5.2 mm
with 55 x 100 mm front plate

Stepping switches (4 step), 4-pole, without “0” position

Wiring diagram and switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
4 step *(1)*				
		Red	**K1Q 034NZ2**	0.170
		Black	**K1Q 034NZ4**	0.170
4 step with intermediate steps at 30°				
		Red	**K1Q 8621Z1**	0.170



(1) Switching programme identical for 4 step and 4 step with intermediate steps at 30°.

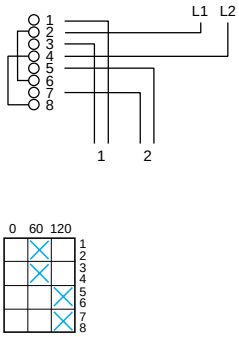
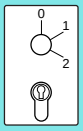
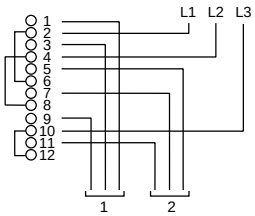
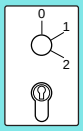
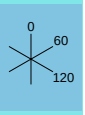
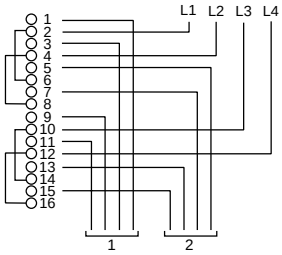
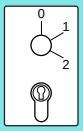
Cam switches

Complete switches, 12 A with key operated lock

Front mounting by 6 screws Ø 5.2 mm
with 55 x 100 mm front plate

K1D 012QZ2

Stepping switches (2 step), with "0" position

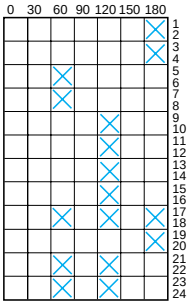
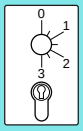
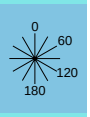
Wiring diagram and switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
2-pole				
		Red	**K1D 012QZ2**	0.170
		Black	**K1D 012QZ4**	0.170
3-pole				
		Red	**K1F 022QZ2**	0.170
		Black	**K1F 022QZ4**	0.170
4-pole				
		Red	**K1H 032QZ2**	0.170
		Black	**K1H 032QZ4**	0.170

Cam switches

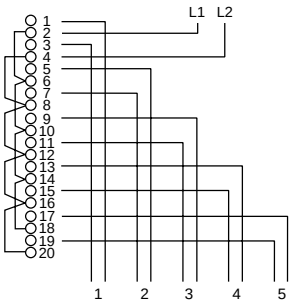
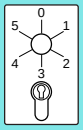
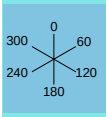
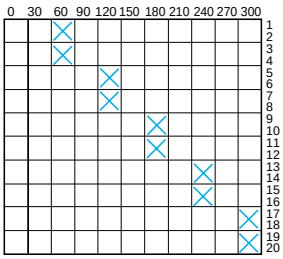
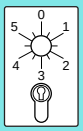
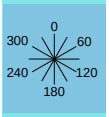
Complete switches, 12 A with key operated lock

Front mounting by 6 screws Ø 5.2 mm
with 55 x 100 mm front plate

Stepping switches (3 step), 2-pole, with “0” position

Switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
3 step with intermediate steps at 30°				
	 	Red	**K1M 10317Z1**	0.170

Stepping switches (5 step), 2-pole, with “0” position

Wiring diagram and switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
5 step *(1)*				
	 	Red	**K1K 015NZ2**	0.170
		Black	**K1K 015NZ4**	0.170
5 step with intermediate steps at 30°				
	 	Red	**K1K 1060Z1**	0.170

(1) Switching programme identical for 5 step and 5 step with intermediate steps at 30°.

Cam switches

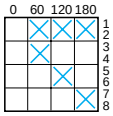
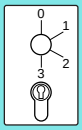
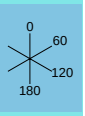
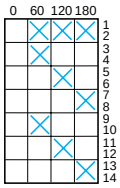
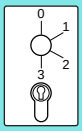
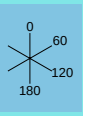
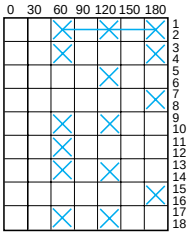
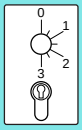
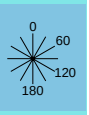
Complete switches, 12 A with key operated lock

Front mounting by 6 screws Ø 5.2 mm
with 55 x 100 mm front plate

K1D 032RZ2

3

Start selector switches (3-position) with "0" position

Switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
1-pole				
		Red	**K1D 032RZ2**	0.170
		Black	**K1D 032RZ4**	0.170
2-pole				
		Red	**K1G 043RZ2**	0.170
		Black	**K1G 043RZ4**	0.170
2-pole with intermediate positions at 30°				
		Red	**K1I 9289Z1**	0.170
				

General:
pages 3/14 to 3/17

Characteristics:
pages 3/18 and 3/19

Dimensions:
page 3/74

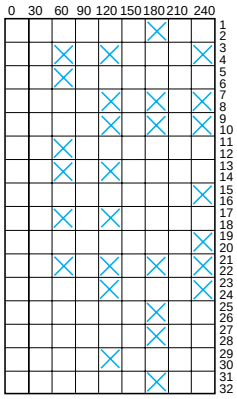
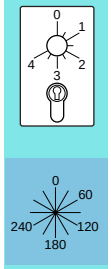
Cam switches

Complete switches, 12 A with key operated lock

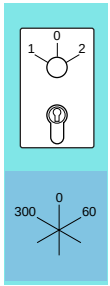
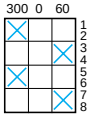
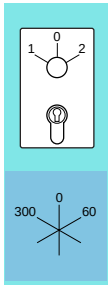
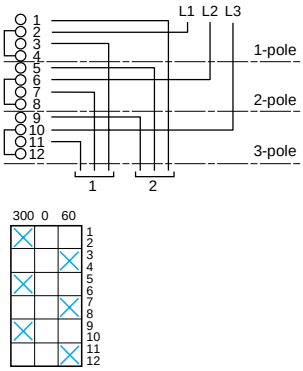
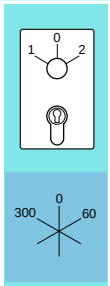
Front mounting by 6 screws Ø 5.2 mm
with 55 x 100 mm front plate

K1B 001UZ2

Start selector switches (4-position) with “0” position

Switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
		Red	**K1Q 10805Z1**	0.170

Changeover switches with “0” position

Wiring diagram and switching programme	Marking and switch position	Colour of handle	Reference	Weight kg
1-pole				
		Red	**K1B 001UZ2**	0.170
		Black	**K1B 001UZ4**	0.170
2-pole				
		Red	**K1D 002UZ2**	0.170
		Black	**K1D 002UZ4**	0.170
3-pole				
		Red	**K1F 003UZ2**	0.170
		Black	**K1F 003UZ4**	0.170

General: pages 3/14 to 3/17
Characteristics: pages 3/18 and 3/19
Dimensions: page 3/74

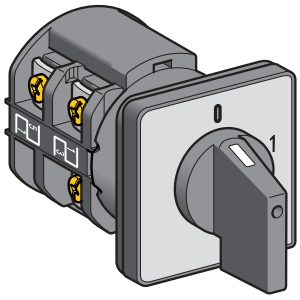
Cam switches
Complete switches, 32 to 150 A

The range of K30 to K150 cam switches (32 to 150 A ratings) comprises only complete switches.
These products are more specifically designed for direct control of simple machines.

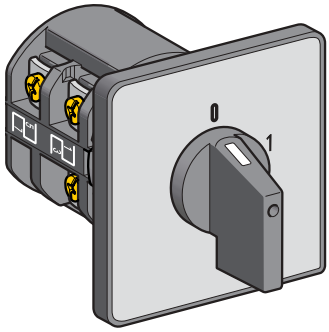
Complete switches

- **switches**
- **ON-OFF switches**
- **changeover switches**
- **star-delta switches**
- **pole change switches**
- **reversing switches**

Front mounting



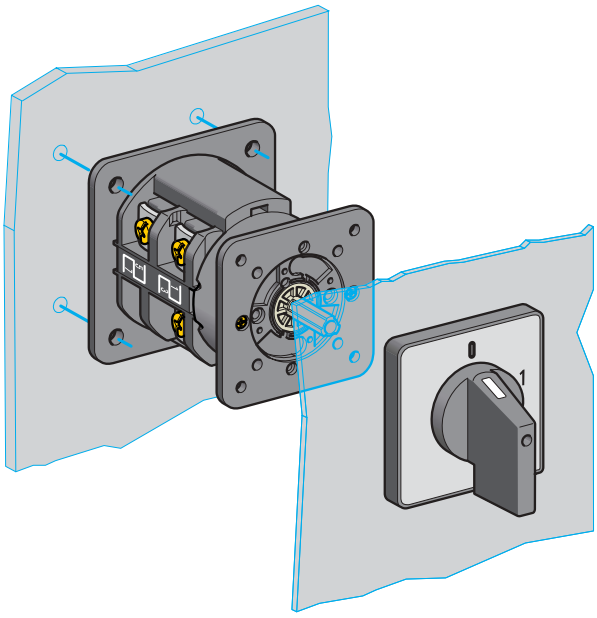
By 4 holes
with 64 x 64 mm front plate
32 to 63 A ratings
K30, K50 and K63



By 4 holes
with 88 x 88 mm front plate
115 to 150 A ratings
K115 and K150

"Multi-fixing" mounting

Rear mounting



By 4 holes on 48 mm centres
32 to 63 A ratings
K30, K50 and K63

By 4 holes on 68 mm centres
115 to 150 A ratings
K115 and K150

Characteristics:
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References:
pages 3/88 to 3/92

Dimensions:
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Cam switches
Complete switches, 32 to 150 A

Switch type			K30	K50	K63	K115	K150
Environment characteristics							
Conformity to standards		IEC/EN 60947-3					
Product certifications	cULus	120 V - 1-phase	2 hp	3 hp	3 hp	5 hp	7.5 hp
		240 V - 1-phase	5 hp	7.5 hp	7.5 hp	10 hp	15 hp
		240 V - 3-phase	5 hp	7.5 hp	10 hp	20 hp	25 hp
		480 V - 3-phase	20 hp	25 hp	25 hp	30 hp	40 hp
Protective treatment		Standard version: "TC"					
Ambient air temperature	For operation	- 25...+ 55 °C					
	For storage	- 40...+ 70 °C					
Electric shock protection		Class II, conforming to IEC 60536 and NF C 20-030					
Degree of protection Conforming to IEC 529 and NF C 20-010		IP 40					
Mechanical life		300,000 operating cycles					
Contact block characteristics							
Rated insulation voltage		Ui = 690 V conforming to IEC/EN 60947-1 - Degree of pollution 3					
Conventional thermal current	Screw clamp terminals	In open air	Ith = 32 A	Ith = 50 A	Ith = 63 A	Ith = 115 A	Ith = 150 A
Rated operational characteristics							
Conforming to IEC/EN 60947-5-1	∼ AC-15	220...240 V	14 A	16 A	–	–	–
		380...440 V	6 A	7 A	–	–	–
Conforming to IEC/EN 60947-3	∼ AC-3 3-phase 3-pole	220...240 V	5.5 kW	7.5 kW	11 kW	15 kW	22 kW
		380...440 V	11 kW	15 kW	18.5 kW	30 kW	37 kW
		660...690 V	11 kW	15 kW	18.5 kW	30 kW	37 kW
	1-phase 2-pole	110 V	2.2 kW	2.5 kW	3 kW	3.7 kW	5.5 kW
		220...240 V	4 kW	5.5 kW	6 kW	7.5 kW	11 kW
		380...440 V	5.5 kW	7.5 kW	11 kW	13 kW	18.5 kW
	∼ AC-23A 3-phase 3-pole	220...240 V	7.5 kW	11 kW	15 kW	30 kW	37 kW
		380...440 V	15 kW	22 kW	30 kW	45 kW	75 kW
		660...690 V	15 kW	22 kW	55 kW	65 kW	65 kW
	1-phase 2-pole	110 V	2.2 kW	2.5 kW	4 kW	5.5 kW	11 kW
		220...240 V	4 kW	5.5 kW	10 kW	15 kW	22 kW
		380...440 V	7.5 kW	11 kW	18.5 kW	22 kW	37 kW
	∼ AC-21A		32 A	40 A	63 A	100 A	150 A
Rated conditional short-circuit current		Power: kA	5	5	10	15	25
Short-circuit protection		Cartridge fuse type gG, A	50	63	80	125	200
Rated impulse withstand voltage		U imp = 6 kV conforming to IEC/EN 947-1					
Contact operation		Slow break with positive opening operation					
Connection		Captive screw clamp terminals (For 2 x 2.8 x 0.8 mm push-on connectors, please consult your Regional Sales office)					
	Solid cable		2 x 6 mm²	2 x 10 mm²	2 x 16 mm²	1 x 35 mm²	1 x 70 mm²
	Flexible cable with or without cable end		2 x 4 mm²	2 x 6 mm²	2 x 10 mm²	1 x 25 mm²	1 x 50 mm²
	Tightening torque		1.2 N.m	2 N.m	2.5 N.m	2.5 N.m	2.5 N.m
Switching capacity ⎓	Number of contacts in series	**1 2 3**					
	Resistive load V T ≤ 1 ms	24 48 70	32 A	50 A	63 A	115 A	150 A
		48 95 140	32 A	40 A	63 A	100 A	150 A
		60 120 180	23 A	37 A	30 A	–	–
		110 220 330	6.5 A	–	–	–	–
		220 440 660	1.2 A	–	–	–	–
		440 660 –	0.4 A	–	–	–	–
	Inductive load V T = 50 ms	24 48 70	32 A	40 A	63 A	100 A	150 A
		30 60 90	25 A	30 A	55 A	33 A	50 A
		48 95 140	16 A	20 A	20 A	–	–
		60 120 180	11 A	15 A	–	–	–
		110 220 330	3.2 A	3.5 A	–	–	–

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Cam switches

Complete switches, 32 to 150 A

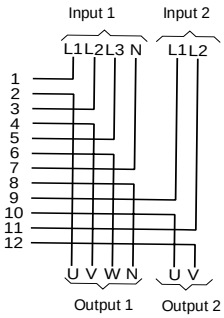
With 64 x 64 mm front plate (32 to 63 A ratings)
and 88 x 88 mm front plate (115 and 150 A ratings)

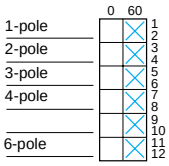
K30 C003AP

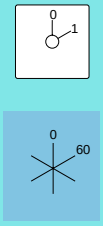
K50 C003AP

Switches with 45° switching angle

Front mounting







Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current (Ith)	Reference	Weight
			A		kg
		1	32	**K30 A001AP**	0.130
			50	**K50 A001AP**	0.175
		2	32	**K30 B002AP**	0.170
			50	**K50 B002AP**	0.215
		3	32	**K30 C003AP**	0.224
			50	**K50 C003AP**	0.275
			63	**K63 C003AP**	0.345
			115	**K115 C003AP**	0.680
			150	**K150 C003AP**	0.790
		4	32	**K30 D004AP**	0.250
			50	**K50 D004AP**	0.305
			63	**K63 D004AP**	0.390
			115	**K115 D004AP**	0.745
			150	**K150 D004AP**	0.880
		6	32	**K30 F006AP**	0.425
			50	**K50 F006AP**	0.530
			63	**K63 F006AP**	0.590

Cam switches

Complete switches, 32 to 150 A

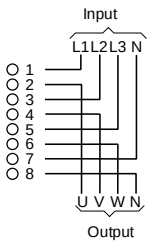
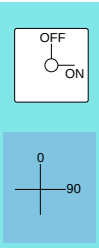
With 64 x 64 mm front plate (32 to 63 A ratings)
and 88 x 88 mm front plate (115 and 150 A ratings)

K63 C003HP

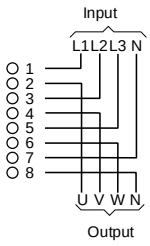
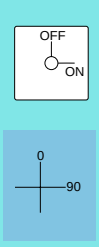
K150 D004HP

Switches with 490° switching angle

Front mounting

Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current (Ith)	Reference	Weight
			A		kg
		3	32	**K30 C003HP**	0.224
			50	**K50 C003HP**	0.275
			63	**K63 C003HP**	0.345
			115	**K115 C003HP**	0.680
			150	**K150 C003HP**	0.790
		4	32	**K30 D004HP**	0.250
			50	**K50 D004HP**	0.305
			63	**K63 D004HP**	0.390
			115	**K115 D004HP**	0.745
			150	**K150 D004HP**	0.880

Rear mounting

		3	32	**K30 C503HP**	0.250
			50	**K50 C503HP**	0.300
			63	**K63 C503HP**	0.370
			115	**K115 C503HP**	0.720
			150	**K150 C503HP**	0.830
		4	32	**K30 D504HP**	0.280
			50	**K50 D504HP**	0.350
			63	**K63 D504HP**	0.440
			115	**K115 D504HP**	0.790
			150	**K150 D504HP**	0.930

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Cam switches

Complete switches, 32 to 150 A

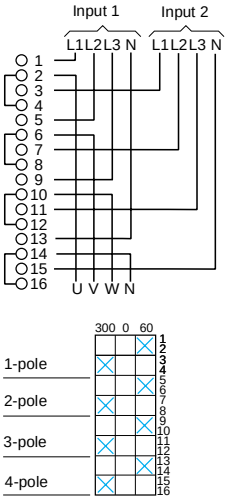
With 64 x 64 mm front plate (32 to 63 A ratings)
and 88 x 88 mm front plate (115 and 150 A ratings)

K50 B001UP

K63 F013UP

Changeover switches with “0” position

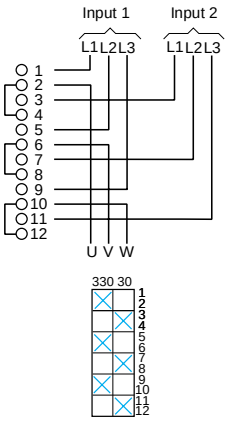
Front mounting



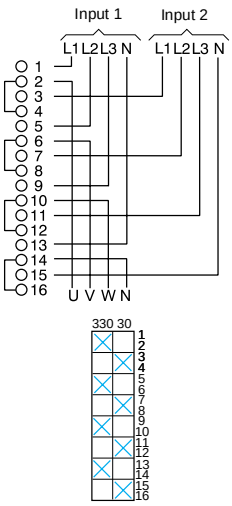
Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current (Ith)	Reference	Weight
			A		kg
		1	32	**K30 B001UP**	0.170
			50	**K50 B001UP**	0.215
			150	**K150 B001UP**	0.790
		2	32	**K30 D002UP**	0.250
			50	**K50 D002UP**	0.305
		3	32	**K30 F003UP**	0.425
			50	**K50 F003UP**	0.530
			63	**K63 F003UP**	0.590
			115	**K115 F003UP**	0.645
			150	**K150 F003UP**	0.760
		4	32	**K30 H004UP**	0.485
			50	**K50 H004UP**	0.610
			63	**K63 H004UP**	0.680
			115	**K115 H004UP**	0.750
			150	**K150 H004UP**	0.880

Changeover switches without “0” position

Front mounting



Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current (Ith)	Reference	Weight
		3	32	**K30 F013UP**	0.425
			50	**K50 F013UP**	0.530
			63	**K63 F013UP**	0.590
			115	**K115 F013UP**	0.645
			150	**K150 F013UP**	0.760



Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current (Ith)	Reference	Weight
		4	32	**K30 H014UP**	0.485
			50	**K50 H014UP**	0.610
			63	**K63 H014UP**	0.680
			115	**K115 H014UP**	0.750
			150	**K150 H014UP**	0.880

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Cam switches

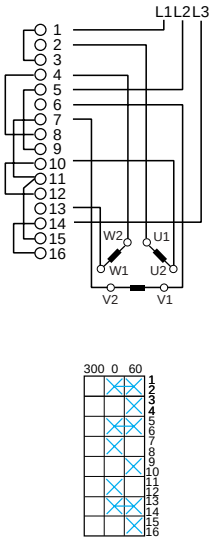
Complete switches, 32 to 150 A

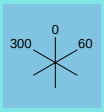
With 64 x 64 mm front plate (32 to 63 A ratings)
and 88 x 88 mm front plate (115 and 150 A ratings)

K50 H001YP

Star-delta switches

Front mounting



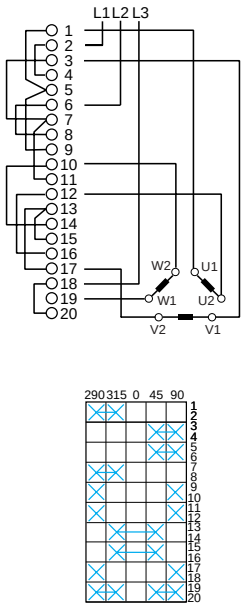


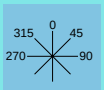
Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current (Ith)	Reference	Weight
			A		kg
		3	32	**K30 H001YP**	0.485
			50	**K50 H001YP**	0.610
			63	**K63 H001YP**	0.680
			115	**K115 H001YP**	0.750
			150	**K150 H001YP**	0.880

K115 K006YP

Reversing star-delta switches

Front mounting





Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current (Ith)	Reference	Weight
		3	32	**K30 K006YP**	0.560
			50	**K50 K006YP**	0.690
			63	**K63 K006YP**	0.770
			115	**K115 K006YP**	0.880
			150	**K150 K006YP**	0.990

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Cam switches

Complete switches, 32 to 150 A

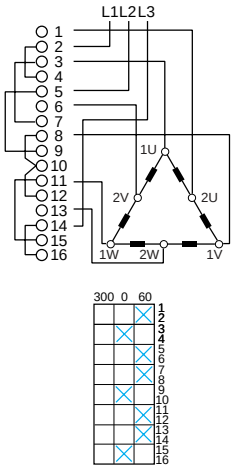
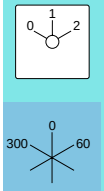
With 64 x 64 mm front plate (32 to 63 A ratings)
and 88 x 88 mm front plate (115 and 150 A ratings)
Accessories

K63 H004PP

Pole change switches for 2-speed motors

(for motors with tapped "Dahlander" windings)

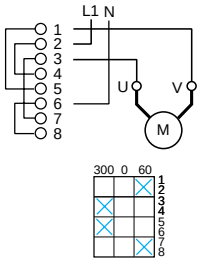
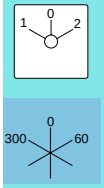
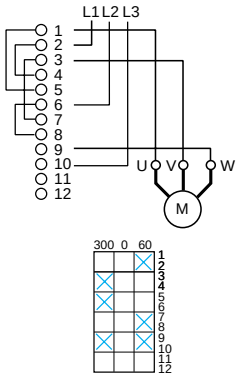
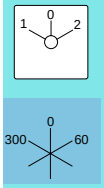
Front mounting

Wiring diagram and switching programme	Marking and switch position	Number of poles	Thermal current A	Reference	Weight kg
		3	32	**K30 H004PP**	0.485
			50	**K50 H004PP**	0.610
			63	**K63 H004PP**	0.680

K150 D002WP

Reversing switches with "0" position

Front mounting

		2	32	**K30 D002WP**	0.250
			50	**K50 D002WP**	0.305
			63	**K63 D002WP**	0.390
			115	**K115 D002WP**	0.745
			150	**K150 D002WP**	0.880
		3	32	**K30 E003WP**	0.385
			50	**K50 E003WP**	0.485
			63	**K63 E003WP**	0.540
			115	**K115 E003WP**	0.590
			150	**K150 E003WP**	0.710

Accessories

Description	For use with	Sold in lots of	Unit reference	Weight kg
Legend holders With blank legend	Square heads 64 x 64 mm	5	**KZN 15**	0.020
	Square heads 88 x 88 mm	5	**KZN 103**	0.040
Replacement blank legends for legend holder	KZN 15	5	**KZ 77N**	0.025
	KZN 103	5	**KZ 100N**	0.040
Blank legends for metallic finish front plate	64 x 64	5	**KZN 21**	0.035
	88 x 88	5	**KZN 24**	0.045

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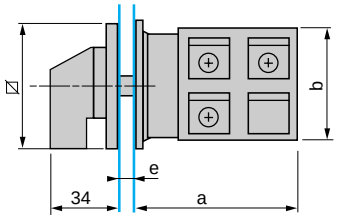
Cam switches

Complete switches, 32 to 150 A

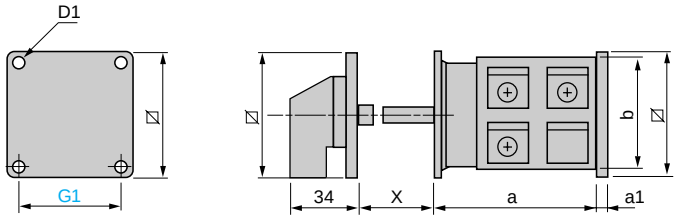
With 64 x 64 mm front plate (32 to 63 A ratings)
and 88 x 88 mm front plate (115 and 150 A ratings)

Cam switches from 32 to 150 A

Front mounting



Rear mounting

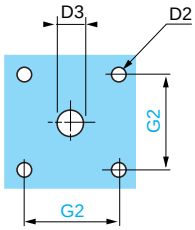


	K30 A K30 B	K30 C K30 D	K30 E K30 F	K30 H	K30 K	K50 A K50 B	K50 C K50 D	K50 E K50 F	K50 H	K50 K	K63 A K63 B	K63 C K63 D	K63 E K63 F	K63 H	K63 K
a	41	53.7	66.4	79.1	104.5	45.8	63.3	80.8	98.3	133.3	49.8	71.3	92.8	114.3	157.3
a1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
b	58	58	58	58	58	60	60	60	60	60	66	66	66	66	66
Ø	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
D1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.4	5.4	5.4	5.4	5.4
G1	–	48	–	–	–	–	48	–	–	–	–	48	–	–	–
X	–	78 to 97	–	–	–	–	78 to 97	–	–	–	–	78 to 97	–	–	–

	K115 A K115 B	K115 C K115 D	K115 E K115 F	K115 H	K115 K	K150 A K150 B	K150 C K150 D	K150 E K150 F	K150 H	K150 K
a	61.5	88	114.5	141	194	67.5	100	132.5	165	230
a1	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
b	84	84	84	84	84	88	88	88	88	88
Ø	88	88	88	88	88	88	88	88	88	88
D1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
G1	–	68	–	–	–	–	68	–	–	–
X	–	120 to 150	–	–	–	–	120 to 150	–	–	–

e: support panel thickness 0.5 to 5.5 mm.

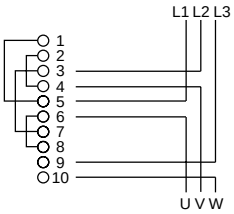
Panel cut-out



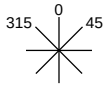
	K30/K50/K63	K115/K150
D2	4.5	6
D3	10	13
G2	48	68

Convention used for switching programme representation

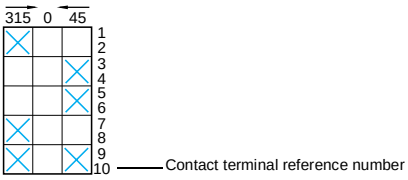
Link positions (factory mounted)



Angular position of switch



Graphic representation of switching positions and spring return to “0” position



Contact closed

Contact closed in 2 positions and maintained between the 2 positions

Sealed assembly for auto-maintain control

Overlapping contacts

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