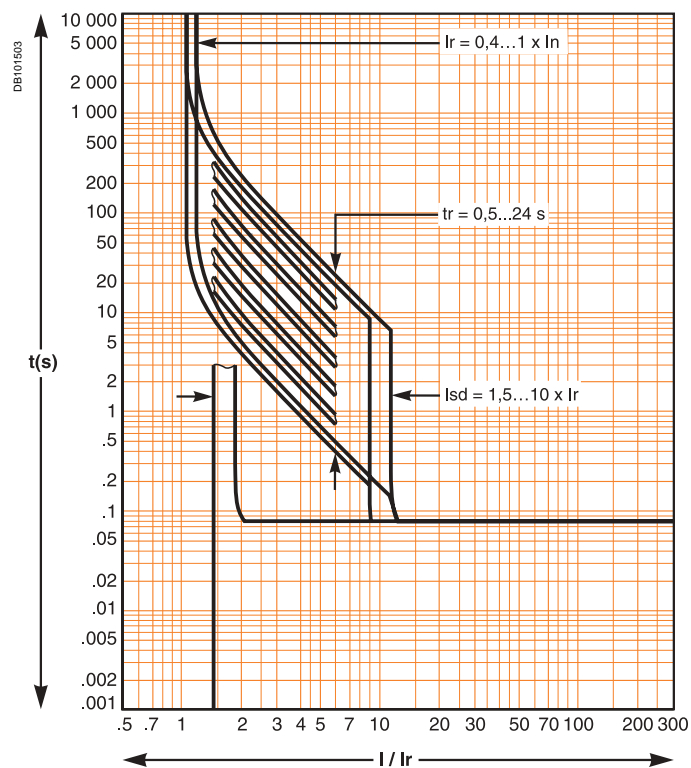
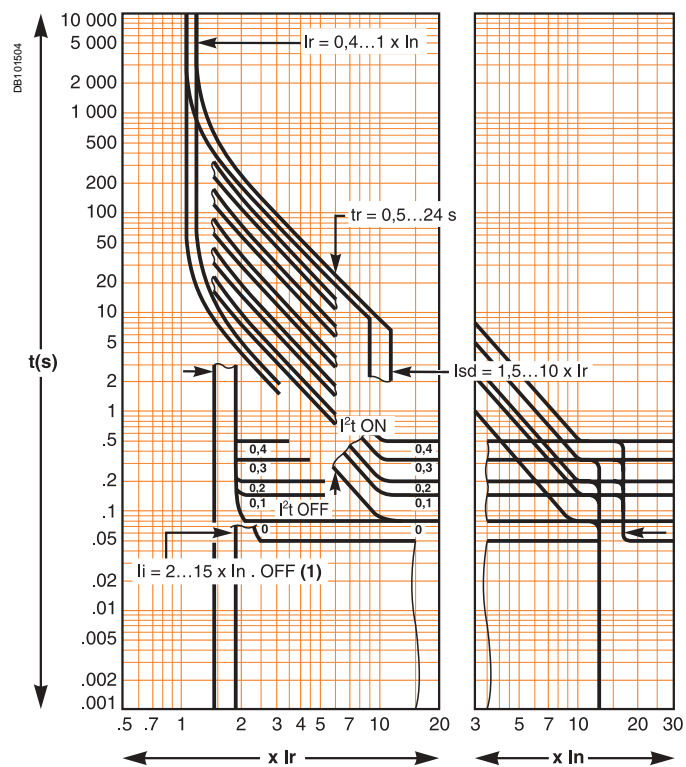

<i>Presentation</i>	<i>6</i>
<i>Functions and characteristics</i>	<i>13</i>
<i>Dimensions and connection</i>	<i>59</i>
<i>Electrical diagrams</i>	<i>87</i>
<i>Installation recommendations</i>	<i>97</i>
Tripping curves	122
Limitation curves	124
Current limiting	124
Energy limiting	125
<i>Catalogue numbers, spare parts and order form</i>	<i>127</i>

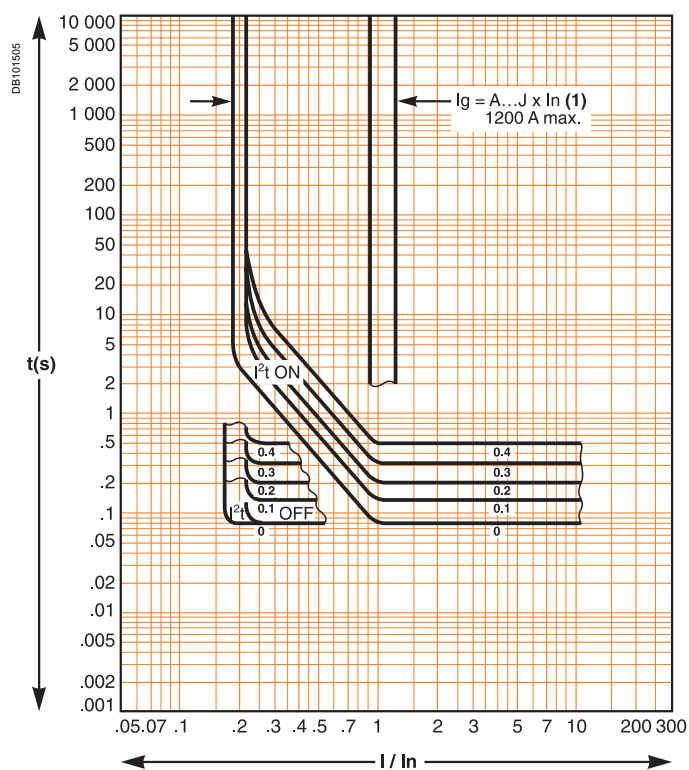
Micrologic 2.0



Micrologic 5.0, 6.0, 7.0



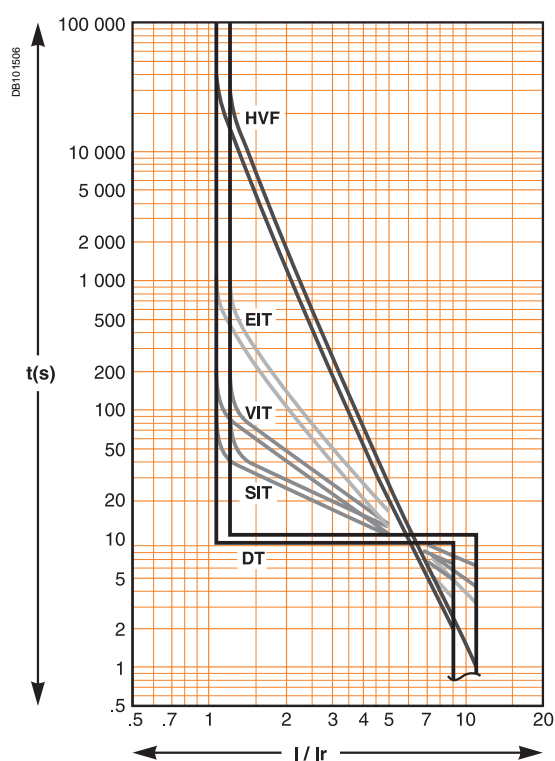
Earth fault protection (Micrologic 6.0)



(1)

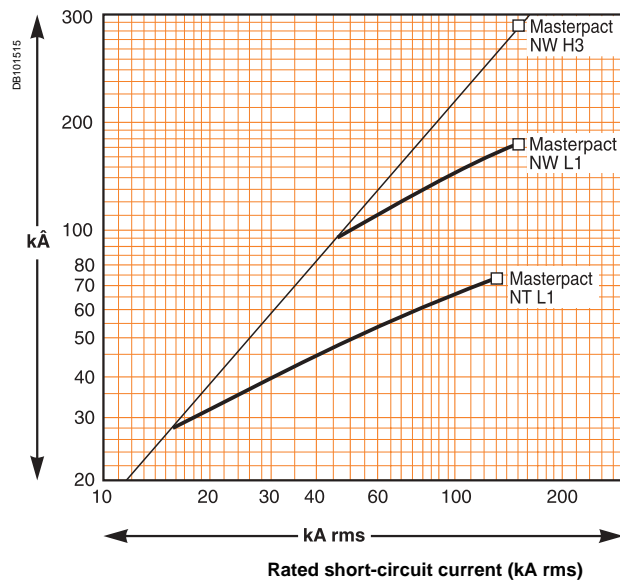
$I_g = I_n \times \dots$	A	B	C	D	E	F	G	H	I
$I_g < 400 \text{ A}$	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
$400 \text{ A} \leq I_g \leq 1200 \text{ A}$	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
$I_g > 1200 \text{ A}$	500	640	720	800	880	960	1040	1120	1200

IDMTL curve (Micrologic P and H)



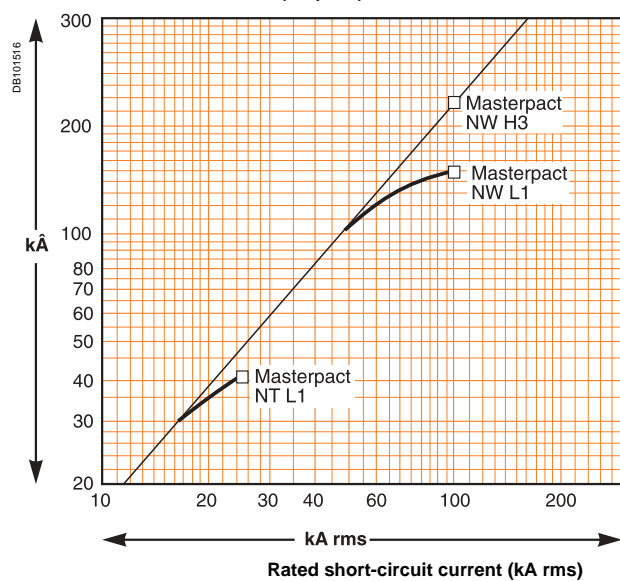
Voltage 380/415/440 V AC

Limited short-circuit current (kA peak)



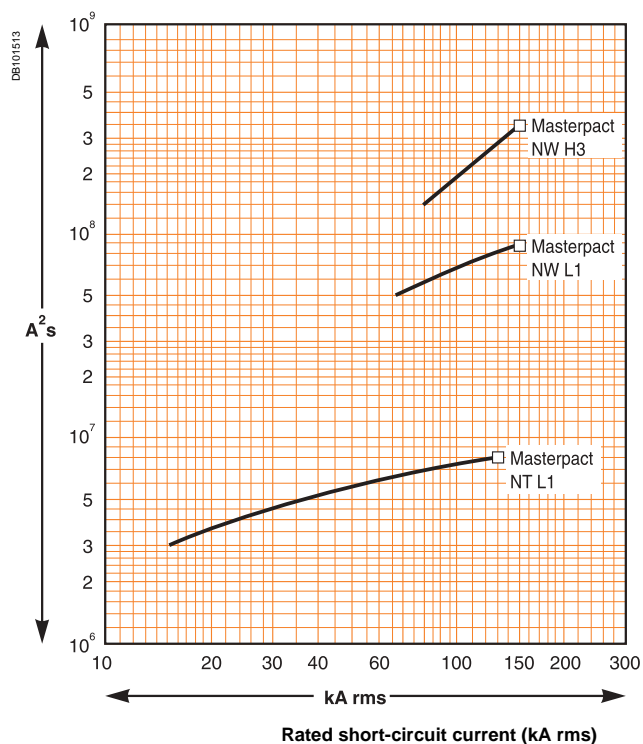
Voltage 660/690 V AC

Limited short-circuit current (kA peak)



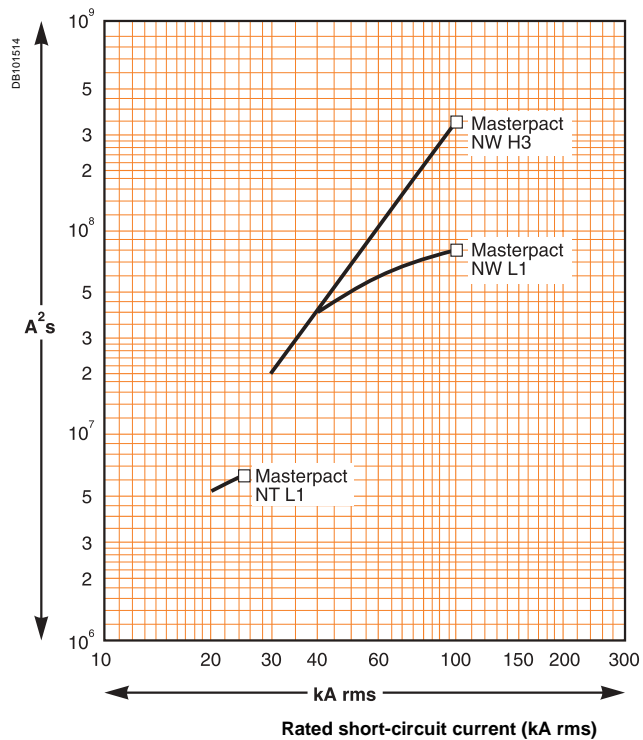
Voltage 380/415/440 V AC

Limited energy



Voltage 660/690 V AC

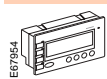
Limited energy



<i>Presentation</i>	<i>6</i>
<i>Functions and characteristics</i>	<i>13</i>
<i>Dimensions and connection</i>	<i>59</i>
<i>Electrical diagrams</i>	<i>87</i>
<i>Installation recommendations</i>	<i>97</i>
<i>Additional characteristics</i>	<i>121</i>
Communication bus accessories and Display Modules	128
Retrofit solutions	129
Connection for fixed devices	129
Connection for drawout devices	130
Masterpact NT	131
Connection	131
Micrologic control unit, communication option	132
Remote operation	133
Chassis locking and accessories	134
Clusters	135
Circuit breaker locking and accessories	136
Mechanical interlocking for source changeover	137
Indication contacts	138
Instructions	139
Masterpact NW	140
Connection	140
Micrologic control unit, communication option	141
Remote operation	142
Chassis locking and accessories	143
Clusters	144
Circuit breaker locking and accessories	145
Mechanical interlocking for source changeover	146
Indication contacts	147
Instructions	148
Masterpact NT and NW order form	149

Display modules

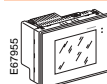
DMB300



Monochrome display module Max. 4 breakers

50894

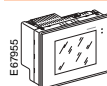
DMC300



Color display module Max. 16 breakers

50895

Spare parts

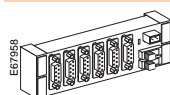


DMC300PCM: DMC300 memory card

50959

RS485 Modbus pre-wired system

RS485 Modbus junction block



CJB306: 6 SubD 9 pins connectors junction block

50963

RS485 Modbus connector



CSD309: 9 pins SubD with screw terminals

50964

RS485 Modbus cables



CDM303: display module pre-wired cable, 3 m length

50960



CCP303: Masterpact or Compact pre-wired cable (4 RS485 wires + 2 power wires) 3 m length

50961

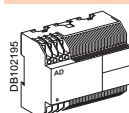


CCR301: RS485 roll cable (2 RS485 wires + 2 power wires) 60 m length

50965

External 24 V DC power-supply module

External 24 V DC power-supply module



Input

24/30 V DC

54440

48/60 V DC

54441

100/125 V DC

54442

110/130 V AC

54443

200/240 V AC

54444

380/415 V AC

54445

Converter

RS485/RS232 (ACE909) 12 V DC power supply included

59648

RS485/RS232

TSX SCA72

(1)

RS485/Ethernet

174 CEV 300-20

(1)

RS485/Ethernet (SMS compatible)

EGX 200/400

(2)

Micro Power Server MPS100



MPS100

33507

(1) See catalogue Telemecanique.

(2) See catalogue PowerLogic System.

To replace a Masterpact M with a Masterpact NW, order a retrofit device (without connections) and select a set of connectors corresponding to the replaced device.

The Masterpact NW is installed in exactly the same place as the old Masterpact M device, without any modifications required on the switchboard.

Horizontal rear connection

Device to be replaced		Connection to be ordered	
Masterpact M08 to M12			
Type N1/NI			
		3P	4P
Top	3 x	48951	4 x 48951
Bottom	3 x	48964	4 x 48964
Type H1/H2/HI/HF			
Top	3 x	48954	4 x 48954
Bottom	3 x	48965	4 x 48965
Masterpact M16			
Type N1/NI/H1/H2/HI/HF			
Top	3 x	48954	4 x 48954
Bottom	3 x	48965	4 x 48965
Masterpact M20 and M25			
Type N1/NI/H1/H2/HI/HF			
Top	3 x	48957	4 x 48957
Bottom	3 x	48958	4 x 48958
Masterpact M32			
Type H1/H2/HI/HF			
Top	1 x	48962	1 x 48960
Bottom	1 x	48961	1 x 48960

(*) Please contact U2R (Retrofit Replacement Unit).

To replace a Masterpact M with a Masterpact NW, order a retrofit device (without connections) and select a set of connectors corresponding to the replaced device.

The Masterpact NW is installed in exactly the same place as the old Masterpact M device, without any modifications required on the switchboard.

Vertical rear connection

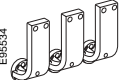
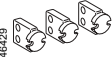

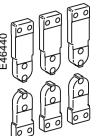




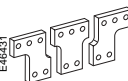


Device to be replaced		Connection to be ordered	
Masterpact M08 to M12			
Type N1/NI			
		3P	4P
Top	3 x	48966	4 x 48966
Bottom	3 x	48966	4 x 48966
Type H1/H2/HI/HF			
Top	3 x	48969	4 x 48969
Bottom	3 x	48969	4 x 48969
Masterpact M16			
Type N1/NI/H1/H2/HI/HF			
Top	3 x	48969	4 x 48969
Bottom	3 x	48969	4 x 48969
Masterpact M20 and M25			
Type N1/NI/H1/H2/HI/HF			
Top	3 x	48970	4 x 48970
Bottom	3 x	48970	4 x 48970
Masterpact M32			
Type H1/H2/HI/HF			
Top	1 x	48974	1 x 48978
Bottom	1 x	48974	1 x 48978

Horizontal rear connection

Device to be replaced		Connection to be ordered	
Masterpact M08 to M12			
Type N1/NI		3P	4P
Top	3 x	48951	4 x 48951
Bottom	3 x	48964	4 x 48964
Type H1/H2/HI/HF			
Top	3 x	48954	4 x 48954
Bottom	3 x	48965	4 x 48965
Masterpact M16			
Type N1/NI/H1/H2/HI/HF			
Top	3 x	48954	4 x 48954
Bottom	3 x	48965	4 x 48965
Masterpact M20 and M25			
Type N1/NI/H1/H2/HI/HF			
Top	3 x	48957	4 x 48957
Bottom	3 x	48958	4 x 48958
Masterpact M32 neutral on left-hand side			
Type H1/H2/HI/HF			
Top	1 x	48973	1 x 48976
Bottom	1 x	48973	1 x 48977
Masterpact M32 neutral on right-hand side			
Type H1/H2/HI/HF			
Top	1 x	48973	1 x 48977
Bottom	1 x	48973	1 x 48976

(*) Please contact U2R (Retrofit Replacement Unit)


(*) Installation manual must be ordered separately,
it is not supply with the component

Connection				
			3P	4P
Fixed circuit breakers				
Front connection / Replacement kit (3 or 4 parts)				
	Top or bottom	630/1600 A	47069	47070
	Installation manual		47102	
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)				
 		630/1600 A	33584	33585
	Vert. mounting. Horiz. mounting. Installation manual		47102	
Drawout circuit breakers				
Front connection / Replacement kit (6 or 8 parts)				
	Top and bottom	630/1600 A	33588	33589
	Installation manual		47102	
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)				
 		630/1600 A	33586	33587
	Vert. mounting. Horiz. mounting. Installation manual		47102	
Connection accessories				
			3P	4P
Vertical connection adapters 630/1600 A / Replacement kit (3 or 4 parts)				
	For fixed and drawout front-connected circuit breakers		33642	33643
	Installation manual		47102	
Cable lug adapters 630/1600 A / Replacement kit (3 or 4 parts)				
	For fixed and drawout front-connected circuit breakers		33644	33645
	Installation manual		47102	
Spreaders / Replacement kit (3 or 4 parts)				
	For fixed and drawout front and rear-connected circuit breakers		33622	33623
	Installation manual		47102	
Interphase barriers / Replacement kit (3 or 4 parts)				
	For fixed and drawout front and rear-connected circuit breakers		33648	33648
	For drawout rear-connected circuit breakers		33768	33768
	Installation manual		47102	
Arc chute screen (1 part)				
	For fixed front-connected circuit breakers		47335	47336
	Installation manual		47102	

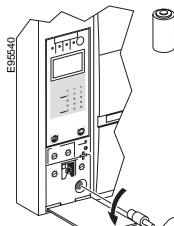
(*) Installation manual must be ordered separately,
it is not supply with the component

Replacement parts for Micrologic control units

Long-time rating plug (limits setting range for higher accuracy) / 1 part

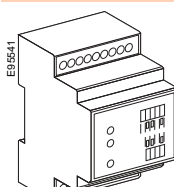
	Standard	0.4 at 1 x Ir	33542
	Low-setting option	0.4 at 0.8 x Ir	33543
	High-setting option	0.8 at 1 x Ir	33544
	Without long-time protection	off	33545
	Installation manual		33075

Battery + cover

	Battery (1 part)		33593
	Cover (1 part)	For Micrologic A	33592
		For Micrologic P and H	47067
	Installation manual		33075


Communication option

Chassis

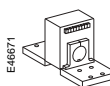
	Modbus COM		33852
	Digipact COM		33855
	6 wires terminal drawout (1 part)		33099
	6 wires terminal fixed (1 part)		47075
	Installation manual		33088

External sensors

External sensor for earth-fault protection (TCE) / 1 part

	Sensor rating	400/1600 A	33576

Source ground return (SGR) earth-fault protection / 1 part

	External sensor (SGR)		33579
	MDGF summing module		48891

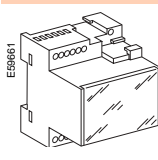
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part

	280 mm x 115 mm		33573

Vigi cable or external voltage cable / 1 part

	Vigi cable or external voltage cable (1 part)		47090
--	---	--	-------


External power supply module / 1 part

	24-30 V DC		54440
	48-60 V DC		54441
	100-125 V DC		54442
	110-130 V AC		54443
	200-240 V AC		54444
	380-415 V AC		54445

Battery module / 1 part

	1 battery	24 V DC	54446
--	-----------	---------	-------

Test equipments / 1 part

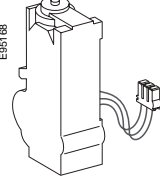

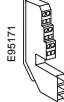
	Mini test kit		33594
	Portable test kit		33595
	Wiring kit or mini test kit or portable test kit		33590
	2 pin test cable		S48908 (*)

(*) Consult us.

(*) Installation manual must be ordered separately,
it is not supply with the component

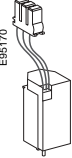

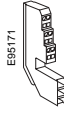
Remote operation

Gear motor

	MCH (1 part)		
	AC 50/60 Hz	48 V	33186
		100-130 V	33176
		200-240 V	33177
		277-415 V	33179
		440-480 V	33179
		+ resistor	33193
	DC	24-30 V	33185
		48-60 V	33186
		100-125 V	33187
		200-250 V	33188
	Terminal block (1 part)	For fixed circuit breaker	47074
		For drawout circuit breaker	33098
			
<i>Fixed.</i>	<i>Drawout.</i>		

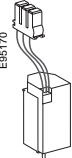

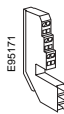
Installation manual 47103

Closing and opening release (XF or MX)

	Standard coil (1 part)		
	AC 50/60 Hz	12 V DC	33658
		24-30 V AC/DC	33659
	DC	48-60 V AC/DC	33660
		100-130 V AC/DC	33661
		200-250 V AC/DC	33662
		277 V AC	33663
		380-480 V AC	33664
	Communicating coil (1 part)		
	AC 50/60 Hz	12 V DC	33032
		24-30 V AC/DC	33033
	DC	48-60 V AC/DC	33034
		100-130 V AC/DC	33035
		200-250 V AC/DC	33036
		277 V AC	33037
		380-480 V AC	33038
	Terminal block (1 part)	For fixed circuit breaker	47074
		For drawout circuit breaker	33098
			
<i>Fixed.</i>	<i>Drawout.</i>		

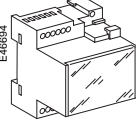
Installation manual 47103

Undervoltage release MN

	Undervoltage release (1 part)		
	AC 50/60 Hz	24-30 V DC, 24 V AC	33668
		48-60 V DC, 48 V AC	33669
	DC	100-130 V AC/DC	33670
		200-250 V AC/DC	33671
		380-480 V AC	33673
	Terminal block (1 part)	For fixed circuit breaker	47074
		For drawout circuit breaker	33098
			
			
<i>Fixed.</i>	<i>Drawout.</i>		

Installation manual 47103

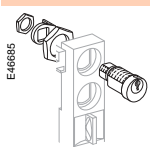
MN delay unit

	MN delay unit (1 part)		
		R (non-adjustable)	Rr (adjustable)
	AC 50/60 Hz	48-60 V	33680
		100-130 V	33681
	DC	200-250 V	33682
		380-480 V	33683
	Installation manual		47103

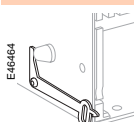
(*) Installation manual must be ordered separately,
it is not supply with the component

Chassis locking

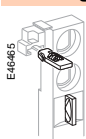
"Disconnected" position locking / 1 part

	By padlocks		Standard
	By keylocks		
	Profalux	1 lock	33773
		1 lock + 1 lock with same key profile	33774
		2 locks (different key profiles)	33775
	1 identical keylock Profalux with the same key:		
		key: random not identified combination	33173
		key: random identified 215470 combination	33174
		key: random identified 215471 combination	33175
	Ronis	1 lock	33776
		1 lock + 1 lock with same key profile	33777
		2 locks (different key profiles)	33778
	1 identical keylock Ronis with the same key :		
		key: random not identified combination	33189
		key: random identified EL24135 combination	33190
		key: random identified EL24153 combination	33191
		key: random identified EL24315 combination	33192
	Locking kit without locks for	Profalux	33769
		Ronis	33770
		Castell	33771
		Kirk	33772
	Installation manual		47104

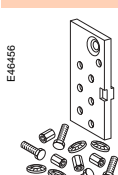
Door interlock / 1 part

	Right and left-hand side of chassis (VPECD or VPECG)	33172
	Installation manual	47104

Racking interlock / 1 part

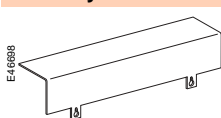
	Racking interlock (VPOC)	33788
	Installation manual	47104

Breaker mismatch protection / 1 part

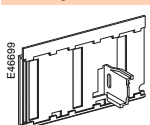
	Breaker mismatch protection (VDC)	33767
	Installation manual	47104

Chassis accessories

Auxiliary terminal shield (CB) / 1 part

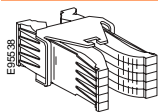
	Terminal shield	3P	33763
		4P	33764
	Installation manual		47104

Safety shutters + locking / 1 part

	Safety shutters (VO)	3P	33765
		4P	33766
	Installation manual		47104

Nota : the locking of safety shutters is integrated.

Clusters



Grease for disconnecting contact clusters (1 kg)

54122

1 disconnecting contact cluster for chassis (see table below) 1 part

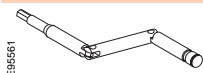
33166

Table : number of clusters required for the different chassis models

Chassis rating (A)	Masterpact NT	
	3P	4P
630	12	18
800	12	18
1000	12	18
1250	12	18
1600	18	24

Nota : the minimum order is 6 parts.

Racking handle / 1 part



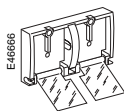
Racking handle

47098

(*) Installation manual must be ordered separately,
it is not supply with the component

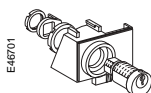
Circuit breaker locking

Pushbutton locking device / 1 part



By padlocks	33897
Installation manual	47103

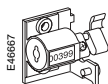
OFF position locking / 1 part



By padlocks + BPFE support		47514
By keylocks + BPFE support		
Profalux	1 lock	47519
	1 lock + 1 lock with same key profile	47520
	1 identical keylock Profalux with the same key:	
	key: random not identified combination	33173
	key: random identified 215470 combination	33174
	key: random identified 215471 combination	33175
Ronis	1 lock	47521
	1 lock + 1 lock with same key profile	47522
1 identical keylock Ronis with the same key :	key: random not identified combination	33189
	key: random identified EL24135 combination	33190
	key: random identified EL24153 combination	33191
	key: random identified EL24315 combination	33192
Locking kit without locks for	Profalux	47515
	Ronis	47516
	Kirk	47517
	Castell	47518
Installation manual		47103

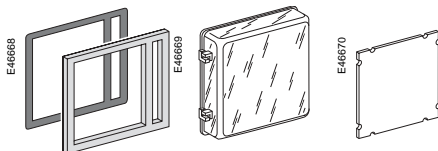
Other circuit breaker accessories

Mechanical operation counter / 1 part



Operation counter CDM	33895
Installation manual	47103

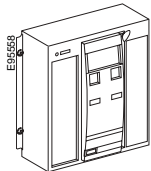
Escutcheon and accessories / 1 part



	Fixed	Drawout
Escutcheon	33718	33857
Transparent cover (IP 54)		33859
Escutcheon blanking plate		33858

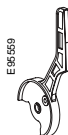
EscutcheonCoverBlanking plate	Installation manual	47103
-------------------------------	---------------------	-------

Front cover (3P / 4P) / 1 part



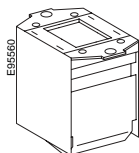
Front cover	47094
Installation manual	47103

Spring charging handle / 1 part



Spring charging handle	47092
Installation manual	47103

Arc chute for Masterpact NT / 1 part



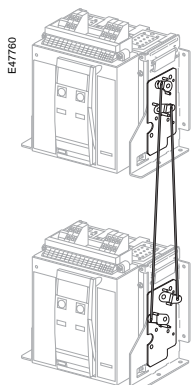
	3P	4P
Type H1	3 x 47095	4 x 47095
Type L1	3 x 47096	4 x 47096
Installation manual		47103

Masterpact NT

Mechanical interlocking for source changeover

Mechanical interlocking for source changeover

Interlocking using connecting rods



Complete assembly with 2 adaptation fixtures + rods

2 Masterpact NT fixed devices

33912

2 Masterpact NT drawout devices

33913

Nota : the installation manual is enclosed.

Interlocking using cables ⁽¹⁾

Choose 2 adaptation fixtures (1 for each breaker) + 1 set of cables

1 adaptation fixture for Masterpact NT fixed devices

33200

1 adaptation fixture for Masterpact NT drawout devices

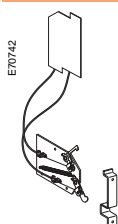
33201

1 set of 2 cables

33209

(1) Can be used with any combination of NT or NW, fixed or drawout devices.

Cable-type door interlock



1 complete assembly for Masterpact NT fixed devices

33920

1 complete assembly for Masterpact NT drawout devices

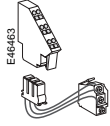
33921

Nota : the installation manual is enclosed.

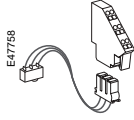
(*) Installation manual must be ordered separately,
it is not supply with the component

Indication contacts

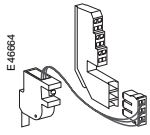
ON/OFF indication contacts (OF) / 1 part

	Changeover contacts (6 A - 240 V)	47076
	1 low-level OF to replace 1 standard OF (4 max.)	47077
	Wiring	For fixed circuit breaker 47074
		For drawout circuit breaker 33098
	Installation manual	47103

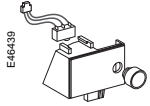
"Fault trip" indication contacts (SDE) / 1 part

	1 additional SDE (5 A - 240 V)	47078
	1 additional low-level SDE	47079
	Wiring	For fixed circuit breaker 47074
		For drawout circuit breaker 33098
	Installation manual	47103

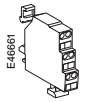
"Ready to close" contact (1 max.) / 1 part

		PF
	1 changeover contact (5 A - 240 V)	47080
	1 low-level changeover contact	47081
	Wiring	For fixed circuit breaker 47074
		For drawout circuit breaker 33098
	Installation manual	47103


Electrical closing pushbutton / 1 part

		BPFE
	1 pushbutton	47512
	Installation manual	47103

Carriage switches (connected / disconnected / test position) / 1 part

	Changeover contacts (6A - 240 V)	
	1 connected position contact (3 max.)	33170
	1 test position contact (1 max.)	33170
	1 disconnected position contact (2 max.)	33170
	And/or low-level changeover contacts	
	1 connected position contact (3 max.)	33171
	1 test position contact (1 max.)	33171
	1 disconnected position contact (2 max.)	33171

Auxiliary terminals for chassis alone

	3 wire terminal (1 part), terminal block (1 part)	33098
	Jumpers (10 parts)	47900
	Installation manual	47104

(*) Installation manual must be ordered separately,
it is not supply with the component

Instructions		
Chassis accessories		47104
Circuit breaker accessories		47103
Fixed and drawout circuit breaker		47102
Micrologic user manual	20 / 50 (French)	33076
	20 / 50 (English)	33077
	2A / 7A (French)	33079
	2A / 7A (English)	33080
	5P / 7P (French)	33082
	5P / 7P (English)	33083
	5H / 7H (French)	33085
	5H / 7H (English)	33086
NT user manual	French	47106
	English	47107
Modbus communication notice for manual		33088
Micrologic accessories replacement guide		33075

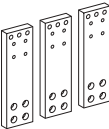
(*) Installation manual must be ordered separately,
it is not supply with the component

Connection

Fixed circuit breakers

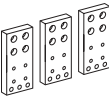
Front connection / Replacement kit (3 or 4 parts)

E9557



800/1600 A	Top	47990	47991
2000/3200 A	Top	47992	47993



E9533



800/1600 A	Bottom	47932	47933
2000/3200 A	Bottom	47942	47943

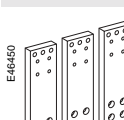
Installation manual	47950
---------------------	-------

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)



 E4645 Vertical mounting	800/2000 A	Vertical	47964	47965
		Horizontal	47964	47965
	2500/3200 A	Vertical	47966	47967
		Horizontal	47966	47967
 E4646 Horizontal mounting	4000 A	Vertical	47968	47969
		Horizontal	47970	47971
	4000b/5000 A	Vertical	2x 47966	2x 47967
		Horizontal	2x 47966	2x 47967
	6300 A	Vertical	2x 47968	2x 47969
	Installation manual		47950	

Drawout circuit breakers

Front connection / Replacement kit (3 or 4 parts)

	800/1600 A	Top or bottom	47960	47961
	2000/3200 A	Top or bottom	47962	47963
	Installation manual		47950	

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

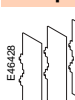
 E4646 Vertical mounting	800/2000 A types N1/H1/H2	Vertical	47964	47965
	800/1600 A types H3/L1	Horizontal	47964	47965
	2500/3200 A types H1/H2	Vertical	47966	47967
	2000/3200 A types H3/L1	Horizontal	47966	47967
	4000 A	Vertical	47968	47969
 E4646 Horizontal mounting		Horizontal	47970	47971
	4000b/5000 A	Vertical	2x 47966	2x 47967
		Horizontal	2x 47966	2x 47967
	6300 A	Vertical	2x 47968	2x 47969
	Installation manual		47950	

Connection accessories

Disconnectable front-connection adapter for fixed circuit breaker (3 or 4 parts)

			3P	4P
	1600 A		48464	48466
	2000/3200 A		48465	48467
	Installation manual		47950	


Interphase barriers / Replacement kit (3 parts)

	For fixed rear-connected circuit breaker	48599	48599
	For drawout rear-connected circuit breaker	48600	48600
	Installation manual		

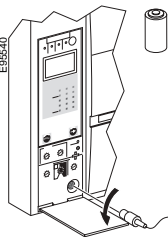
(*) Installation manual must be ordered separately,
it is not supply with the component

Replacement parts for Micrologic control units

Long-time rating plug (limits setting range for higher accuracy) / 1 part

	Standard	0.4 at 1 x Ir	33542
	Low-setting option	0.4 at 0.8 x Ir	33543
	High-setting option	0.8 at 1 x Ir	33544
	Without long-time protection	off	33545
	Installation manual		33075

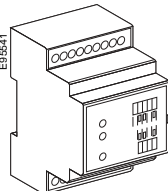
Battery + cover

	Battery (1 part)		33593
	Cover (1 part)	For Micrologic A	33592
		For Micrologic P and H	47067

Installation manual	33075
---------------------	-------

Communication option


Chassis

	Modbus COM		33852
	Digipact COM		33855
	6 wires terminal drawout (1 part)		47850
	6 wires terminal fixed (1 part)		47075

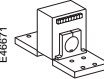
Installation manual	33088
---------------------	-------

External sensors

External sensor for earth-fault protection (TCE) / 1 part

	Sensor rating	400/2000 A	34035
		1000/4000 A	34036
		4000/6300 A	48182

Source ground return (SGR) earth-fault protection / 1 part

	External sensor (SGR)		33579
	MDGF summing module		48891

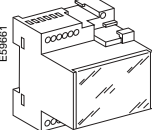
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part

	280 mm x 115 mm		33573
	470 mm x 160 mm		33574

Vigi cable or external voltage cable / 1 part

Vigi cable or external voltage cable	47090
--------------------------------------	-------


External power supply module / 1 part

	24-30 V DC		54440
	48-60 V DC		54441
	100-125 V DC		54442
	110-130 V AC		54443
	200-240 V AC		54444
	380-415 V AC		54445

Battery module / 1 part

1 battery	24 V DC	54446
-----------	---------	-------

Test equipments / 1 part

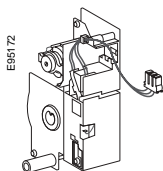
	Mini test kit		33594
	Portable test kit		33595
	Wiring kit or mini test kit or portable test kit		33590
	2 pin test cable		S48908 (*)

(*) Consult us.

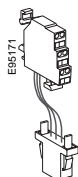
(*) Installation manual must be ordered separately,
it is not supply with the component

Remote operation

Gear motor



Fixed.



Drawout.

MCH (1 part)

AC 50/60 Hz

48 V	47889
100-130 V	47893
200-240 V	47894
250-277 V	47895
380-415 V	47896
440-480 V	47897

DC

24-30 V	47888
48-60 V	47889
100-125 V	47890
200-250 V	47891

Terminal block (1 part)

For fixed circuit breaker	47074
For drawout circuit breaker	47849

Installation manual

47951

Closing and opening release (XF or MX)

Standard coil (1 part)

AC 50/60 Hz

12 V DC	33658
---------	-------

DC

24-30 V AC/DC	33659
48-60 V AC/DC	33660
100-130 V AC/DC	33661
200-250 V AC/DC	33662
277 V AC	33663
380-480 V AC	33664

Communicating coil (1 part)

AC 50/60 Hz

12 V DC	33032
---------	-------

DC

24-30 V AC/DC	33033
48-60 V AC/DC	33034
100-130 V AC/DC	33035
200-250 V AC/DC	33036
277 V AC	33037
380-480 V AC	33038

Terminal block (1 part)

For fixed circuit breaker	47074
For drawout circuit breaker	47849

Installation manual

47951

Undervoltage release MN

Undervoltage release (1 part)

AC 50/60 Hz

24-30 V DC, 24 V AC	33668
---------------------	-------

DC

48-60 V DC, 48 V AC	33669
100-130 V AC/DC	33670
200-250 V AC/DC	33671
380-480 V AC	33673

Terminal block (1 part)

For fixed circuit breaker	47074
For drawout circuit breaker	47849

Installation manual

47951

MN delay unit

MN delay unit (1 part)

AC 50/60 Hz

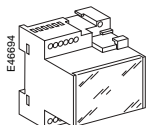
48-60 V	R (non-adjustable)	Rr (adjustable)
---------	--------------------	-----------------

DC

100-130 V	33684	33681
200-250 V	33685	33682
380-480 V		33683

Installation manual

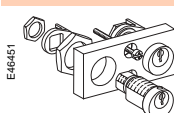
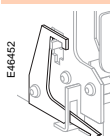
47951



(*) Installation manual must be ordered separately,
it is not supply with the component

Chassis locking

"Disconnected" position locking / 1 part

	By padlocks		Standard
	By keylocks		
	Profalux	1 lock	48568
		1 lock + 1 lock with same key profile	48569
		2 locks (different key profiles)	48570
	1 identical keylock Profalux with the same key:		
	Ronis	key: random not identified combination	33173
		key: random identified 215470 combination	33174
		key: random identified 215471 combination	33175
		1 lock	48572
		1 lock + 1 lock with same key profile	48573
		2 locks (different key profiles)	48574
		1 identical keylock Ronis with the same key :	
		key: random not identified combination	33189
		key: random identified EL24135 combination	33190
		key: random identified EL24153 combination	33191
		key: random identified EL24315 combination	33192
	Locking kit without locks for	Profalux, Ronis	48564
		Castell	48565
		Kirk	48566
	Installation manual		47952

Door interlock / 1 part

Right and left-hand side of chassis (VPECD or VPECG)	47914
Installation manual	47952

Racking interlock

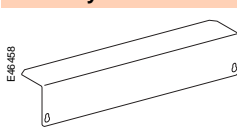
5 parts	48582
Installation manual	47952

Breaker mismatch protection / 1 part

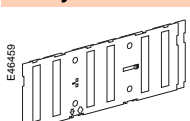
Breaker mismatch protection (VDC)	33767
Installation manual	47952

Chassis accessories

Auxiliary terminal shield (CB) / 1 part

	800/4000 A	3P	48595
		4P	48596
	4000b/6300 A	3P	48597
		4P	48598
	Installation manual		47952

Safety shutters + locking block / 1 part

	800/4000 A	3P	48721
		4P	48723
	4000b/6300 A	3P	48722
		4P	48724
	Installation manual		47952

Shutter locking block (for replacement) / 1 part

2 parts for 800/4000 A	48591
Installation manual	47952

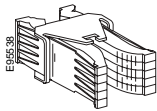
Earthing kit for chassis

	3P	4P
Types for N1/H1/NA/HA	48433	48434

Nota : the installation manual is enclosed.

(*) Installation manual must be ordered separately,
it is not supply with the component

Clusters



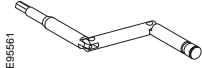
Grease for disconnecting contact clusters (1 kg)	54122
1 disconnecting contact cluster for chassis (see table below) (part 1)	33166

Table : number of clusters required for the different chassis models

Chassis rating (A)	Masterpact NW 3P				Masterpact NW 4P			
	N1	H1/H2	H3	L1	N1	H1/H2	H3	L1
630								
800	6	12		24	8	16		32
1000	6	12		24	8	16		32
1250	6	12		24	8	16		32
1600	12	12		24	16	16		32
2000		24	24	42		32	32	56
2500		24	24			32	32	
3200		36	36			48	48	
4000		42	42			56	56	
4000b		72				96		
5000		72				96		
6300		72				96		

Nota : the minimum order is 6 parts.

Racking handle

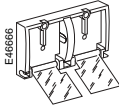


Racking handle	47944
----------------	-------

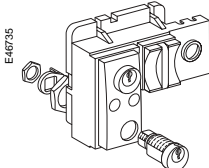
(*) Installation manual must be ordered separately,
it is not supply with the component

Circuit breaker locking

Pushbutton locking device / 1 part

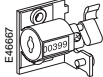
	By padlocks	48536
	Installation manual	47951

OFF position locking / 1 part

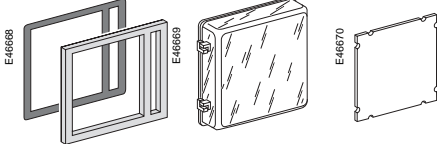
	By padlocks / 1 part		48539
	By padlocks and keylocks / 1 part		
	Profalux	1 lock	48545
		1 lock + 1 lock with same key profile	48546
		2 locks (different key profiles)	48547
	1 identical keylock Profalux with the same key:		
	key: random not identified combination		33173
	key: random identified 215470 combination		33174
	key: random identified 215471 combination		33175
	Ronis	1 lock	48549
		1 lock + 1 lock with same key profile	48550
		2 locks (different key profiles)	48551
	1 identical keylock Ronis with the same key :		
	key: random not identified combination		33189
	key: random identified EL24135 combination		33190
	key: random identified EL24153 combination		33191
	key: random identified EL24315 combination		33192
	Locking kit without locks for	Profalux, Ronis	48541
		Kirk	48542
		Castell	48543
	Installation manual		47951

Other circuit breaker accessories

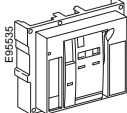
Mechanical operation counter / 1 part

	Operation counter CDM	48535
	Installation manual	47951


Escutcheon and accessories / 1 part

		Fixed	Drawout
	Escutcheon	48601	48603
	Transparent cover (IP 54)		48604
	Escutcheon blanking plate	48605	48605
	Installation manual		47951

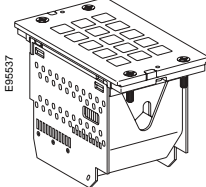
Front cover (3P / 4P) / 1 part

	Front cover	47939
	Installation manual	47951

Spring charging handle / 1 part

	Spring charging handle	47940
	Installation manual	47951

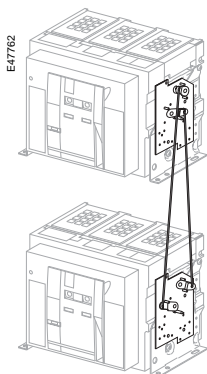
Arc chute for Masterpact NW / 1 part

		3P	4P
	Type N1	3 x 47935	4 x 47935
	Type H1/H2 (NW08 to NW40)	3 x 47935	4 x 47935
	Type H1/H2 (NW40b to NW63)	6 x 47936	8 x 47936
	Type H3	3 x 47936	4 x 47936
	Type L1	3 x 47937	4 x 47937
	Type NW DC	3 x 47934	4 x 47934
	Installation manual		47951

(*) Installation manual must be ordered separately,
it is not supply with the component

Mechanical interlocking for source changeover

Interlocking of 2 devices using connecting rods



Complete assembly with 2 adaptation fixtures + rods

2 Masterpact NW fixed devices

48612

2 Masterpact NW drawout devices

48612

Can be used with 1 NW fixed + 1 NW drawout.

Nota : the installation manual is enclosed.

Interlocking of 2 devices using cables ⁽¹⁾

Choose 2 adaptation sets (1 for each device + 1 set of cables)

1 adaptation fixture for Masterpact NW fixed devices

47926

1 adaptation fixture for Masterpact NW drawout devices

47926

1 set of 2 cables

33209

(1) Can be used with any combination of NT or NW, fixed or drawout devices.

Interlocking of 3 devices using cables

Choose 3 adaptation (including 3 adaptation fixtures + cables)

3 sources, only 1 device closed, fixed or drawout devices

48610

2 sources + 1 coupling, fixed or drawout devices

48609

2 normal + 1 replacement source, fixed or drawout devices

48608

Cable-type door interlock

1 complete assembly for Masterpact NW fixed or drawout device

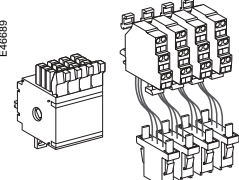
48614

Nota : the installation manual is enclosed.

(*) Installation manual must be ordered separately,
it is not supply with the component

Indication contacts

ON/OFF indication contacts (OF) / 1 part

	1 additional block of 4 contacts		47887
	Wiring	For fixed circuit breaker	47074
		For drawout circuit breaker	47849
	Installation manual		47951

"Fault trip" indication contacts (SDE) / 1 part


E-6891

A technical diagram showing a circuit breaker assembly. On the left is a rectangular circuit breaker unit with two main terminals on top and two smaller ones on the front. A cable with a multi-pin connector is connected to the top terminals. Another cable with a different connector is connected to the front terminals. To the right of the breaker, a vertical assembly shows a changeover contact (SDE) with multiple pins, connected to a low-level terminal and a wiring terminal. The wiring terminal is further connected to a fixed circuit breaker and a drawout circuit breaker.

Wiring	Changeover contact (SDE)	6 A - 240 V	47915
		Low-level	47916
		For fixed circuit breaker	47074
		For drawout circuit breaker	47849
Installation manual			47951


"Ready to close" contact (1 max.) / 1 part

E46438



		PF
1 changeover contact (5 A - 240 V)		47080
1 low-level changeover contact		47081
Wiring	For fixed circuit breaker	47074
	For drawout circuit breaker	47849
Installation manual		47951

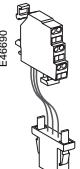
"Connected, disconnected, test position" indication contact (carriage switches) / 1 part

	Changeover contacts		6 A - 240 V	33170
	CE, CD, CT		Low-level	33171
	Installation manual			47952

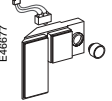
Set of additional actuators for carriage switches / 1 set

1 set	48560
-------	-------

Combined closed / connected contacts for use with 1 auxiliary contact / 1 part

	1 contact (5 A - 240 V)		48477
	or 1 low-level contact		48478
	Installation manual		47952
	Installation manual		47952

Electrical closing pushbutton / 1 part

	1 pushbutton		BPFE
	1 pushbutton		48534
	Installation manual		47951
	Installation manual		47951

Auxiliary terminals for chassis alone

3 wire terminal (1 part)	47849
6 wire terminal (1 part)	47850
Jumpers (10 parts)	47900

Instructions		
Chassis accessories		47952
Circuit breaker accessories		47951
Fixed and drawout circuit breaker		47950
User manual	NW AC (French)	47954
	NW AC (English)	47955
	NW DC (French)	47957
	NW DC (English)	47958
Micrologic user manual	20 / 50 (French)	33076
	20 / 50 (English)	33077
	2A / 7A (French)	33079
	2A / 7A (English)	33080
	5P / 7P (French)	33082
	5P / 7P (English)	33083
	5H / 7H (French)	33085
	5H / 7H (English)	33086
Modbus communication notice for manual		33088
Micrologic accessories replacement guide		33075

To indicate your choice, check the applicable square boxes ☐

and enter the appropriate information in the rectangles

Circuit breaker or switch-disconnector		Quantity	
Masterpact type	NT <input type="checkbox"/> NW <input type="checkbox"/>		
Rating	A <input type="checkbox"/>		
Sensor rating	A <input type="checkbox"/>		
Circuit breaker	N1, H1, H2, H3, L1 <input type="checkbox"/>		
Special circuit breaker	H2 anticorrosion, H10 <input type="checkbox"/>		
Switch-disconnector	NA, HA, HF, HA10, ES <input type="checkbox"/>		
Number of poles	3 or 4 <input type="checkbox"/>		
Brand	MG <input type="checkbox"/> SD <input type="checkbox"/>		
Option: neutral on right side	<input type="checkbox"/>		
Type of equipment	Fixed <input type="checkbox"/> Drawout with chassis <input type="checkbox"/> Drawout without chassis (moving part only) <input type="checkbox"/> Chassis alone <input type="checkbox"/>		
Earthing switch kit for chassis <input type="checkbox"/>			
Micrologic control unit			
A - ammeter	2.0 <input type="checkbox"/> 5.0 <input type="checkbox"/> 6.0 <input type="checkbox"/> 7.0 <input type="checkbox"/>		
P - power meter	5.0 <input type="checkbox"/> 6.0 <input type="checkbox"/> 7.0 <input type="checkbox"/>		
H - harmonic meter	5.0 <input type="checkbox"/> 6.0 <input type="checkbox"/> 7.0 <input type="checkbox"/>		
LR - long-time rating plug	Standard 0.4 to 1 Ir <input type="checkbox"/> Low setting 0.4 to 0.8 Ir <input type="checkbox"/> High setting 0.8 to 1 Ir <input type="checkbox"/> LR OFF <input type="checkbox"/>		
AD - external power-supply module	V <input type="checkbox"/>		
BAT - battery module	<input type="checkbox"/>		
TCE - external sensor (CT) for neutral and residual earth-fault protection	<input type="checkbox"/>		
TCE - external sensor (CT) for over sized neutral (3P - Micrologic P / H) and residual earth-fault protection	<input type="checkbox"/>		
TCW - external sensor for SGR protection	<input type="checkbox"/>		
Rectangular sensor for earth-leakage protection	NT (280 x 115 mm) <input type="checkbox"/> NW (470 x 160 mm) <input type="checkbox"/>		
PTE - external voltage connector	<input type="checkbox"/>		
Communication			
COM module	JBus/Device <input type="checkbox"/> Chassis <input type="checkbox"/> ModBus/Device <input type="checkbox"/> Chassis <input type="checkbox"/> Digipact/Device <input type="checkbox"/> Chassis <input type="checkbox"/>		
Eco COM module	ModBus (for XF or MX communicating release) <input type="checkbox"/>		
Connection			
Horizontal	Top <input type="checkbox"/> Bottom <input type="checkbox"/>		
Vertical	Top <input type="checkbox"/> Bottom <input type="checkbox"/>		
Front	Top <input type="checkbox"/> Bottom <input type="checkbox"/>		
Vertical-connection adapters	NT - FC fixed, draw. <input type="checkbox"/>		
Cable-lug adapters	NT - FC fixed, draw. <input type="checkbox"/>		
Arc chute screen	NT - FC fixed <input type="checkbox"/>		
Interphase barriers	NT, NW fixed, drawout <input type="checkbox"/>		
Spreaders	NT fixed, drawout <input type="checkbox"/>		
Disconnectable front connection adapter	NW fixed <input type="checkbox"/>		
Lugs for 240 ² or 300 ² cables	NT fixed, drawout <input type="checkbox"/>		
Micrologic control unit functions: 2.0 : basic protection (long time + inst.) 5.0 : selective protection (long time + short time + inst.) 6.0 : selective + earth-fault protection (long time + short time + inst. + earth-fault) 7.0 : selective + earth-leakage protection (long time + short time + inst. + earth-leakage)			

Indication contacts**OF - ON/OFF indication contacts**

Standard	4 OF 6 A-240 V AC (10 A-240 V AC and low-level for NW)		
Alternate	1 OF low-level for NT	Max. 4	qty <input type="text"/>
Additional	1 block of 4 OF for NW	Max. 2	qty <input type="text"/>

EF - combined "connected/closed" contacts

	1 EF 6 A-240 V AC for NW	Max. 8	qty <input type="text"/>
	1 EF low-level for NW	Max. 8	qty <input type="text"/>

SDE - "fault-trip" indication contact

Standard	1 SDE 6 A-240 V AC		
Additional	1 SDE 6 A-240 V AC <input type="checkbox"/>	1 SDE low level	<input type="text"/>

Programmable contacts

	2 M2C contacts <input type="checkbox"/>	6 M6C contacts	<input type="text"/>
--	---	----------------	----------------------

Carriage switches	Low level <input type="checkbox"/>	6 A-240 V AC	<input type="text"/>
-------------------	------------------------------------	--------------	----------------------

CE - "connected" position	Max. 3 for NW/NT		qty <input type="text"/>
---------------------------	------------------	--	--------------------------

CD - "disconnected" position	Max. 3 for NW - 2 for NT		qty <input type="text"/>
------------------------------	--------------------------	--	--------------------------

CT - "test" position	Max. 3 for NW - 1 for NT		qty <input type="text"/>
----------------------	--------------------------	--	--------------------------

AC - NW actuator for 6 CE - 3 CD - 0 CT additional carriage switches**Remote operation**

Remote ON/OFF	MCH - gear motor	V	<input type="text"/>
	XF - closing voltage release	V	<input type="text"/>
	MX - opening voltage release	V	<input type="text"/>
	PF - "ready to close" contact	Low level	<input type="text"/>
		6 A-240 V AC	<input type="text"/>

	BPFE - electrical closing pushbutton		<input type="text"/>
--	--------------------------------------	--	----------------------

	Res - electrical reset option	V	<input type="text"/>
--	-------------------------------	---	----------------------

	RAR - automatic reset option		<input type="text"/>
--	------------------------------	--	----------------------

Remote tripping

	MN - undervoltage release	V	<input type="text"/>
	R - delay unit (non-adjustable)		<input type="text"/>
	Res - adjustable delay unit		<input type="text"/>
	2 nd MX - shunt release	V	<input type="text"/>

Locking**VBP - ON/OFF pushbutton locking (by transparent cover + padlocks)****OFF position locking:****VCPO - by padlocks****VSPO - by keylocks**

Keylock kit (w/o keylock)	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>
1 keylock	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>
2 identical keylocks, 1 key	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>
2 keylocks, different keys (NW)	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>

Chassis locking in "disconnected" position:**VSPD - by keylocks**

Keylock kit (w/o keylock)	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>
	Kirk <input type="checkbox"/>	Castell <input type="checkbox"/>
1 keylock	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>
2 identical keylocks, 1 key	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>
2 keylocks, different keys	Profalux <input type="checkbox"/>	Ronis <input type="checkbox"/>
Optional connected/disconnected/test position lock		<input type="text"/>

VPEC - door interlock

	On right-hand side chassis <input type="checkbox"/>
	On left-hand side chassis <input type="checkbox"/>

VPOC - racking interlock**IPA - cable-type door interlock****VDC - mismatch protection****VIVC - shutter position indication and locking for NW****IBPO - racking interlock between crank and OFF pushbutton for NW****DAE - automatic spring discharge before breaker removal for NW****Accessories****VO - safety shutters on chassis for NT and NW****CDM - mechanical operation counter NT, NW****CB - auxiliary terminal shield for chassis NT, NW****CC - arc chute cover for fixed NT****CDP - escutcheon NT, NW****CP - transparent cover for escutcheon NT, NW****OP - blanking plate for escutcheon NT, NW**

Brackets for mounting	NW fixed <input type="checkbox"/>	On backplates <input type="text"/>
-----------------------	-----------------------------------	------------------------------------

Test kits	Mini test kit <input type="checkbox"/>	Portable test kit <input type="text"/>
-----------	--	--

Schneider Electric Industries SAS

89, boulevard Franklin Roosevelt
F - 92500 Rueil-Malmaison (France)
Tel : +33 (0)1 41 29 85 00

<http://www.schneider-electric.com>

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.



*This document has been printed
on ecological paper.*

Design: Schneider Electric - Ameg
Photos: Schneider Electric
Printed: