

Guiding

TOOLS

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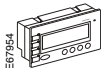
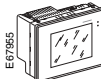
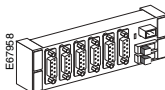
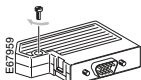




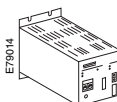
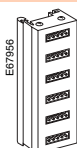

CAD software and tools

The CAD software and tools enhance productivity and safety. They help you create your installations by simplifying product choice through easy browsing in the Guiding System offers.

Last but not least, they optimise use of our products while also complying with standards and proper procedures.



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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
RS 485 Modbus pre-wired system			
RS 485 Modbus junction block			
	CJB306: 6 SubD 9 pins connectors junction block		50963
			
RS 485 Modbus connector			
	CSD309: 9 pins SubD with screw terminals		50964
			
RS 485 Modbus cables			
	CDM303: display module pre-wired cable, 3 m length		50960
			
	CCP303: Masterpact or Compact pre-wired cable (4 RS 485 wires + 2 power wires) 3 m length		50961
			
	CCR301: RS 485 roll cable (2 RS 485 wires + 2 power wires) 60 m length		50965
			
Micro Power Server MPS100			
	MPS100		33507
			
Digipact Bus pre-wired system			
Data concentrator DC150			
	Auxiliary supply voltage	110-240 V AC, 50/60 Hz and 115-125 V DC	50823
			
Junction block			
	Junction block for internal Bus		50778
			
Cables			
	Cable for internal bus	20-meter roll (0.75 mm ²)	50779
		100-meter roll (0.75 mm ²)	50780
Converter			
	RS 485/RS 232 (ACE909) 12 V DC power supply included		59648 (2)
	RS 485/RS 232		TSX SCA72 (1)
	RS 485/Ethernet		174 CEV 300-10
	RS 485/Ethernet (SMS compatible)		EGX 200/400 (2)

(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

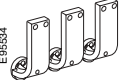

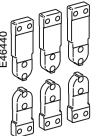
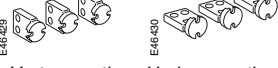
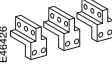
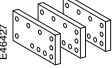
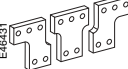


Device to be replaced		Connection to be ordered	
Masterpact M08 to M12			
Type N1/NI			
		3P	4P
Top	3 x	48966	4 x 48966
Bottom	3 x	48966	4 x 48966
Type H1/H2/HI/HF			
Top	3 x	48969	4 x 48969
Bottom	3 x	48969	4 x 48969
Masterpact M16			
Type N1/NI/H1/H2/HI/HF			
Top	3 x	48969	4 x 48969
Bottom	3 x	48969	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	250/630-1600 A	47069 47070
	Installation manual		47102
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)			
		250/630-1600 A	33584 33585
	Vert. mounting. Horiz. mounting. Installation manual		47102
Drawout circuit breakers			
Front connection / Replacement kit (6 or 8 parts)			
	Top and bottom	250/630-1600 A	33588 33589
	Installation manual		47102
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)			
		250/630-1600 A	33586 33587
	Vert. mounting. Horiz. mounting. Installation manual		47102
Connection accessories			
Vertical connection adapters 250/630-1600 A / Replacement kit (3 or 4 parts)			
	For fixed and drawout front-connected circuit breakers		33642 33643
	Installation manual		47102
Cable lug adapters 250/630-1600 A / Replacement kit (3 or 4 parts)			
	For fixed and drawout front-connected circuit breakers		33644 33645
	Installation manual		47102
Spreaders / Replacement kit 250/630-1600 A (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.

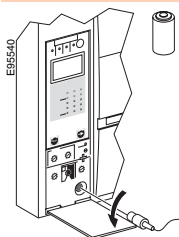
Replacement parts for Micrologic control units

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

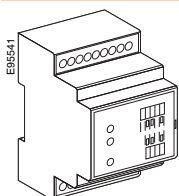
Battery + cover



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

Communication option

Chassis

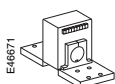


Modbus COM		33852
Digipact COM		33855
6 wires terminal drawout (1 part)		33099
6 wires terminal fixed (1 part)		47075

Installation manual		33088
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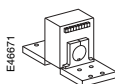
External sensors

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



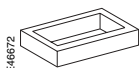
Sensor rating	400/1600 A	33576
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Source ground return (SGR) earth-fault protection / 1 part



External sensor (SGR)		33579
MDGF summing module		48891

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

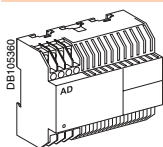


280 mm x 115 mm		33573
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Vigi cable or external voltage cable / 1 part

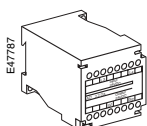
Vigi cable or external voltage cable (1 part)		47090
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External power supply module (AD) / 1 part



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 (BAT) / 1 part



1 battery	24 V DC	54446
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Test equipments / 1 part

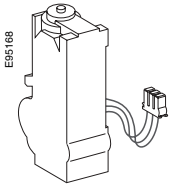


Hand held test kit (HHTK)	33594
Full function test kit (FFTK)	33595
Test report edition come from FFTK	34559
FFTK test cable 2 pin for STR trip unit	34560
FFTK test cable 7 pin for Micrologic trip unit	33590

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

Remote operation

Gear motor

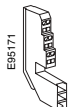


MCH (1 part)

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



Fixed.

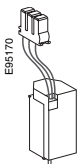


Drawout.

Installation manual	47103
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Closing and opening release (XF or MX)

Standard coil (1 part)



AC 50/60 Hz	12 V DC	33658
	24/30 V DC, 24 V AC	33659
DC	48/60 V DC, 48 V AC	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 DC, 24 V AC	33033
DC	48/60 V DC, 48 V AC	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



Fixed.

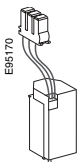


Drawout.

Installation manual	47103
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Undervoltage release MN

Undervoltage release (1 part)

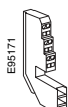


AC 50/60 Hz	24/30 V DC, 24 V AC	33668
	48/60 V DC, 48 V AC	33669
DC	100/130 V AC/DC	33670
	200/250 V AC/DC	33671
	380/480 V AC	33673

Terminal block (1 part)	For fixed circuit breaker	47074
	For drawout circuit breaker	33098



Fixed.

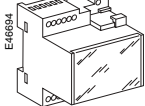


Drawout.

Installation manual	47103
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MN delay unit

MN delay unit (1 part)



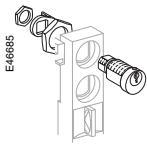
AC 50/60 Hz	48/60 V AC/DC	R (non-adjustable)	Rr (adjustable)
			33680
	100/130 V AC/DC	33684	33681
	200/250 V AC/DC	33685	33682
DC	380/480 V AC/DC		33683

Installation manual	47103
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(*) Installation manual must be ordered separately, it is not supply with the component.

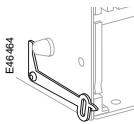
Chassis locking

"Disconnected" position locking / 1 part



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

Door interlock / 1 part



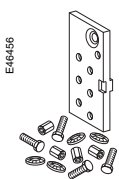
	Right and left-hand side of chassis (VPECD or VPECG)	33172
	Installation manual	47104

Racking interlock / 1 part



	Racking interlock (VPOC)	33788
	Installation manual	47104

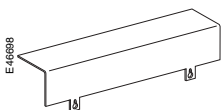
Breaker mismatch protection / 1 part



	Breaker mismatch protection (VDC)	33767
	Installation manual	47104

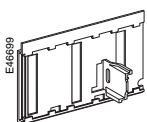
Chassis accessories

Auxiliary terminal shield (CB) / 1 part



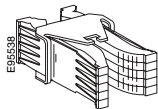
Terminal shield	3P	33763
	4P	33764
	Installation manual	47104

Safety shutters + locking / 1 part



Safety shutters (VO)	3P	33765
	4P	33766
	Installation manual	47104
Note: the locking of safety shutters is integrated.		

Clusters



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

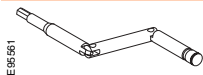
33166

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

Note: the minimum order is 6 parts.

Racking handle / 1 part



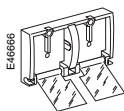
Racking handle

47098

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

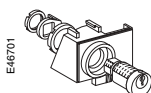
Circuit breaker locking

Pushbutton locking device / 1 part



By padlocks		33897
Installation manual		47103

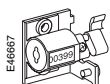
OFF position locking / 1 part



By padlocks + BPFE support		
		47514
By Profalux keylocks + BPFE support		
Profalux	1 lock with 1 key + adaptation kit	47519
	2 locks 2 same keys + adaptation kit	47520
1 keylock Profalux (without adaptation kit):		
	identical key not identified combination	33173
	identical key identified 215470 combination	33174
	identical key identified 215471 combination	33175
By Ronis keylocks + BPFE support		
Ronis	1 lock with 1 key + adaptation kit	47521
	2 locks 2 same keys + adaptation kit	47522
1 keylock Ronis (without adaptation kit):		
	identical key not identified combination	33189
	identical key identified EL24135 combination	33190
	identical key identified EL24153 combination	33191
	identical key identified EL24315 combination	33192
Adaptation kit (without keylock):		
	adaptation kit Profalux	47515
	adaptation kit Ronis	47516
	adaptation kit Kirk	47517
	adaptation kit Castell	47518
Installation manual		47103

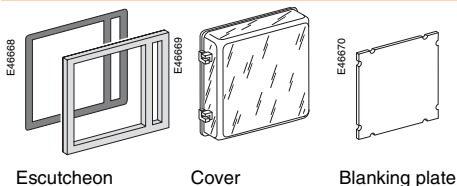
Other circuit breaker accessories

Mechanical operation counter / 1 part



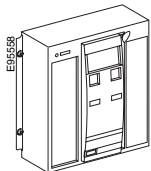
Operation counter CDM		33895
Installation manual		47103

Escutcheon and accessories / 1 part



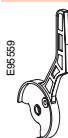
	Fixed	Drawout
Escutcheon	33718	33857
Transparent cover (IP54)		33859
Escutcheon blanking plate		33858
Installation manual		47103

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



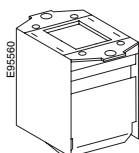
Front cover		47094
Installation manual		47103

Spring charging handle / 1 part



Spring charging handle		47092
Installation manual		47103

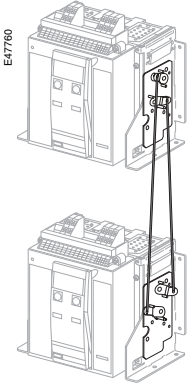
Arc chute for Masterpact NT / 1 part



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

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

Note: 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

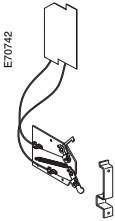
33201

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

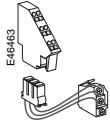
33921

Note: the installation manual is enclosed.

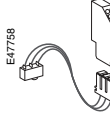
(*) Installation manual must be ordered separately,
it is not supply with the component.

Indication contacts

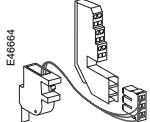
ON/OFF indication contacts (OF) / 1 part

	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

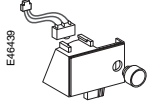
"Fault trip" indication contacts (SDE) / 1 part

	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	

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

	Changeover contacts (6 A - 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

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

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

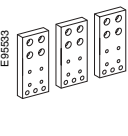
Connection

3P 4P

Fixed circuit breakers

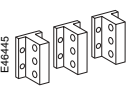
Front connection / Replacement kit (3 or 4 parts)

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

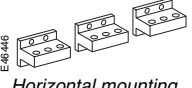
	800-1600 A	Bottom	47932	47933
	2000/3200 A	Bottom	47942	47943

Installation manual	47950
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Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

	800-2000 A	Vertical	47964	47965
		Horizontal	47964	47965
	2500/3200 A	Vertical	47966	47967
		Horizontal	47966	47967

Vertical mounting

	4000 A	Vertical	47968	47969
		Horizontal	47970	47971
	4000b/5000 A	Vertical	2x 47966	2x 47967
		Horizontal	2x 47966	2x 47967

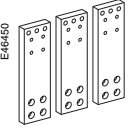
Horizontal mounting

6300 A	Vertical	2x 47968	2x 47969
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Installation manual	47950
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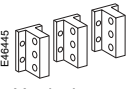
Drawout circuit breakers

Front connection / Replacement kit (3 or 4 parts)

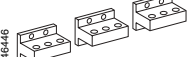
	800-1600 A	Top or bottom	47960	47961
	2000/3200 A	Top or bottom	47962	47963

Installation manual	47950
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Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

	800-2000 A types N1/H1/H2	Vertical	47964	47965
		Horizontal	47964	47965
	2500/3200 A types H1/H2	Vertical	47966	47967
		Horizontal	47966	47967

Vertical mounting

	4000 A	Vertical	47968	47969
		Horizontal	47970	47971
	4000b/5000 A	Vertical	2x 47966	2x 47967
		Horizontal	2x 47966	2x 47967

Horizontal mounting


6300 A	Vertical	2x 47968	2x 47969
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Installation manual	47950
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Connection accessories


3P 4P

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

	1600 A	48464	48466
	2000/3200 A	48465	48467


Installation manual	47950
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Interphase barriers / Replacement kit (3 parts)

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

Installation manual	47950
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
Additional support brackets for mounting on a backplate

	For fixed rear-connected circuit breaker (2 parts)	47829
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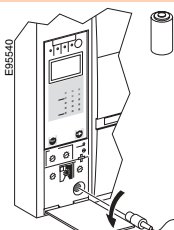
(* Installation manual must be ordered separately, it is not supply with the component.

Replacement parts for Micrologic control units

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

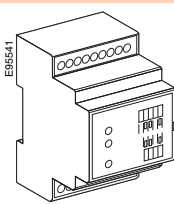
	Standard	0.4 at 1 x Ir	33542
	Low-setting option	0.4 at 0.8 x Ir	33543
	High-setting option	0.8 at 1 x Ir	33544
	Without long-time protection	off	33545

Battery + cover

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


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

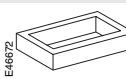
External sensor for earth-fault protection (TCE) / 1 part

	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

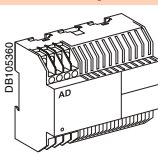
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part (up to 3200 A)

	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
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External power supply module (AD) / 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 (BAT) / 1 part

	1 battery	24 V DC	54446
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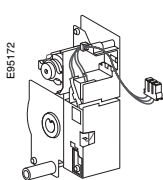
Test equipments / 1 part

	Hand held test kit (HHTK)		33594
	Full function test kit (FFTK)		33595
	Test report edition come from FFTK		34559
	FFTK test cable 2 pin for STR trip unit		34560
	FFTK test cable 7 pin for Micrologic trip unit		33590

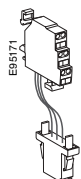
(* Installation manual must be ordered separately, it is not supply with the component.

Remote operation

Gear motor



Fixed.



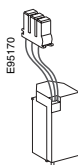
Drawout.

MCH (1 part)

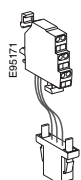
AC 50/60 Hz	48 V	47889
	100/130 V	47893
	200/240 V	47894
	250/277 V	47895
	380/415 V	47896
	440/480 V	47897
DC	24/30 V	47888
	48/60 V	47889
	100/125 V	47890
	200/250 V	47891
Terminal block (1 part)	For fixed circuit breaker	47074
	For drawout circuit breaker	47849

Installation manual	47951
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Closing and opening release (XF or MX)



Fixed.



Drawout.

Standard coil (1 part)

AC 50/60 Hz	12 V DC	33658
	24/30 V DC, 24 V AC	33659
DC	48/60 V DC, 48 V AC	33660
	100/130 V AC/DC	33661
	200/250 V AC/DC	33662
	277 V AC	33663
	380/480 V AC	33664

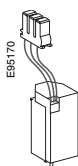
Communicating coil (1 part)

AC 50/60 Hz	12 V DC	33032
	24/30 V DC, 24 V AC	33033
DC	48/60 V DC, 48 V AC	33034
	100/130 V AC/DC	33035
	200/250 V AC/DC	33036
	277 V AC	33037
	380/480 V AC	33038

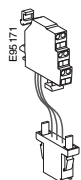
Terminal block (1 part)	For fixed circuit breaker	47074
	For drawout circuit breaker	47849

Installation manual	47951
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Undervoltage release MN



Fixed.



Drawout.

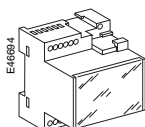
Undervoltage release (1 part)

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	47849

Installation manual	47951
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MN delay unit



MN delay unit (1 part)

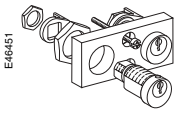
AC 50/60 Hz	48/60 V AC/DC	R (non-adjustable)	Rr (adjustable)
	100/130 V AC/DC	33684	33681
DC	200/250 V AC/DC	33685	33682
	380/480 V AC/DC		33683

Installation manual	47951
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(* Installation manual must be ordered separately, it is not supply with the component.

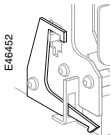
Chassis locking

"Disconnected" position locking / 1 part



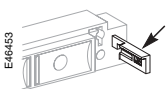
By padlocks		
	VCPO	Standard
By Profalux keylocks		
Profalux	1 lock with 1 key + adaptation kit	48568
	2 locks 2 same keys + adaptation kit	48569
	2 locks 2 different keys + adaptation kit	48570
1 keylock Profalux (without adaptation kit):		
	identical key not identified combination	33173
	identical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

Door interlock / 1 part



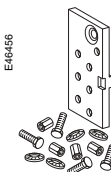
	Right and left-hand side of chassis (VPECD or VPECG)	47914
	Installation manual	47952

Racking interlock



	5 parts	48582
	Installation manual	47952

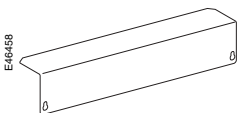
Breaker mismatch protection / 1 part



	Breaker mismatch protection (VDC)	33767
	Installation manual	47952

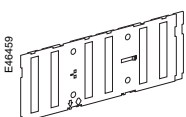
Chassis accessories

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

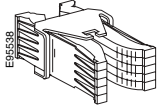
Earthing kit for chassis

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

Note: the installation manual is enclosed.

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

Clusters



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

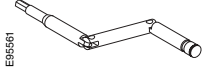
33166

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		

Note: the minimum order is 6 parts.

Racking handle

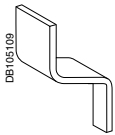


Racking handle

47944

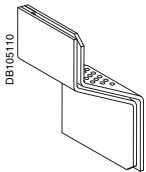
DC rear connection

Serial connection kit



For NW10/20 DC

48642



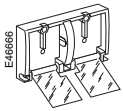
For NW40 DC

48643

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

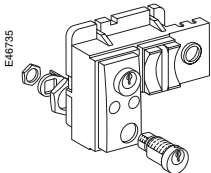
Circuit breaker locking

Pushbutton locking device / 1 part



By padlocks		48536
Installation manual		47951

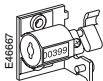
OFF position locking / 1 part



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

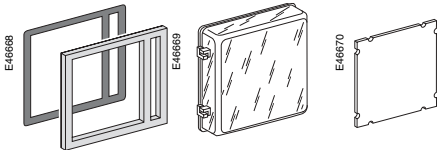
Other circuit breaker accessories

Mechanical operation counter / 1 part



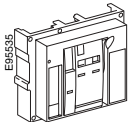
Operation counter CDM		48535
Installation manual		47951

Escutcheon and accessories / 1 part



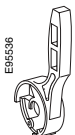
Escutcheon	Fixed	Drawout
Escutcheon	48601	48603
Transparent cover (IP 54)		48604
Escutcheon blanking plate	48605	48605

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



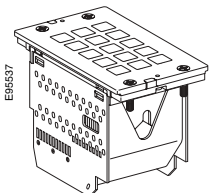
Front cover		47939
Installation manual		47951

Spring charging handle / 1 part



Spring charging handle		47940
Installation manual		47951

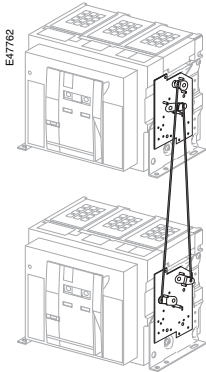
Arc chute for Masterpact NW / 1 part



	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

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.

Note: 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

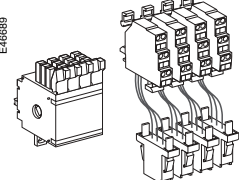
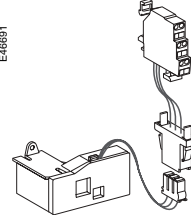
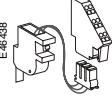

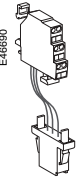
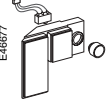
Cable-type door interlock

1 complete assembly for Masterpact NW fixed or drawout device

48614

Note: 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) / 12 parts			
	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			
	Changeover contact (SDE)	6 A - 240 V	47915
		Low-level	47916
	Wiring	For fixed circuit breaker	47074
		For drawout circuit breaker	47849
Installation manual		47951	
"Ready to close" contact (1 max.) / 1 part			
	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
Electrical closing pushbutton / 1 part			
	1 pushbutton	BPFE	
	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

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 (NW) <input type="checkbox"/>		
Switch-disconnector	NA, HA, HF, ES, HA10 (NW) <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/ModBus Device <input type="checkbox"/> Chassis <input type="checkbox"/> Digipact Device <input type="checkbox"/> Chassis <input type="checkbox"/>		
Eco COM module (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="checkbox"/>
Additional	1 block of 4 OF for NW	Max. 2	qty <input type="checkbox"/>
EF - combined "connected/closed" contacts			
	1 EF 6 A-240 V AC for NW	Max. 8	qty <input type="checkbox"/>
	1 EF low-level for NW	Max. 8	qty <input type="checkbox"/>
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="checkbox"/>
Programmable contacts			
	2 M2C contacts <input type="checkbox"/>	6 M6C contacts	<input type="checkbox"/>
Carriage switches	Low level <input type="checkbox"/>	6 A-240 V AC	<input type="checkbox"/>
CE - "connected" position	Max. 3 for NW/NT		qty <input type="checkbox"/>
CD - "disconnected" position	Max. 3 for NW - 2 for NT		qty <input type="checkbox"/>
CT - "test" position	Max. 3 for NW - 1 for NT		qty <input type="checkbox"/>
AC - NW actuator for 6 CE - 3 CD - 0 CT additional carriage switches			
Remote operation			
Remote ON/OFF	MCH - gear motor		V <input type="checkbox"/>
	XF - closing voltage release		V <input type="checkbox"/>
	MX - opening voltage release		V <input type="checkbox"/>
	PF - "ready to close" contact	Low level	<input type="checkbox"/>
		6 A-240 V AC	<input type="checkbox"/>
	BPFE - electrical closing pushbutton		<input type="checkbox"/>
	Res - electrical reset option		V <input type="checkbox"/>
	RAR - automatic reset option		<input type="checkbox"/>
Remote tripping	MN - undervoltage release		V <input type="checkbox"/>
	R - delay unit (non-adjustable)		<input type="checkbox"/>
	Res - adjustable delay unit		<input type="checkbox"/>
	2 nd MX - shunt release		V <input type="checkbox"/>
Locking			
VBP - ON/OFF pushbutton locking (by transparent cover + padlocks)			
OFF position locking:			
VCPO - by padlocks			<input type="checkbox"/>
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:			
VSPP - 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="checkbox"/>
VPEC - door interlock		On right-hand side chassis <input type="checkbox"/> On left-hand side chassis <input type="checkbox"/>	
VPOC - racking interlock		<input type="checkbox"/>	
IPA - cable-type door interlock		<input type="checkbox"/>	
VDC - mismatch protection		<input type="checkbox"/>	
VIVC - shutter position indication and locking for NW		<input type="checkbox"/>	
IBPO - racking interlock between crank and OFF pushbutton for NW		<input type="checkbox"/>	
DAE - automatic spring discharge before breaker removal for NW		<input type="checkbox"/>	
Accessories			
VO - safety shutters on chassis for NT and NW			<input checked="" type="checkbox"/>
CDM - mechanical operation counter NT, NW			<input type="checkbox"/>
CB - auxiliary terminal shield for chassis NT, NW			<input type="checkbox"/>
CC - arc chute cover for fixed NT			<input type="checkbox"/>
CDP - escutcheon NT, NW			<input type="checkbox"/>
CP - transparent cover for escutcheon NT, NW			<input type="checkbox"/>
OP - blanking plate for escutcheon NT, NW			<input type="checkbox"/>
Brackets for mounting	NW fixed <input type="checkbox"/>	On backplates	<input type="checkbox"/>
Test kits	Mini test kit <input type="checkbox"/>	Portable test kit	<input type="checkbox"/>

Guiding

TOOLS

merlin-gerin.com

This international site allows you to access all the Merlin Gerin products in just 2 clicks via comprehensive range data-sheets, with direct links to:

- complete library: technical documents, catalogs, FAQs, brochures...
- selection guides from the e-catalog.
- product discovery sites and their Flash animations.

You will also find illustrated overviews, news to which you can subscribe, the list of country contacts...



Training

Training allows you to acquire the Merlin Gerin expertise (installation design, work with power on, etc.) for increased efficiency and a guarantee of improved customer service. The training catalogue includes beginner's courses in electrical distribution, knowledge of MV and LV switchgear, operation and maintenance of installations, design of LV installations to give but a few examples.



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