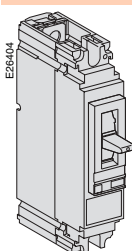

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Compact NS100 to NS630 fixed/FC for direct current Choice of device

Compact NS100/160N/H 1P/2P

With thermal-magnetic trip unit TM-D



Compact NS100N

Rating	1P 1d (Icu = 50 kA 250 V DC)	2P 2d (Icu = 85 kA 250 V DC/1P - 500 V DC/2P)
TM16D	29585	29605
TM20D	29588	29608
TM25D	29584	29604
TM30D	29587	29607
TM40D	29583	29603
TM50D	29586	29606
TM63D	29582	29602
TM80D	29581	29601
TM100D	29580	29600

Compact NS160N

Rating	1P 1d (Icu = 50 kA 250 V DC)	2P 2d (Icu = 100 kA 250 V DC/1P - 500 V DC/2P)
TM125D	30581	30601
TM160D	30580	30600

Compact NS100H

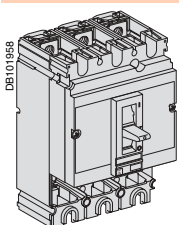
Rating	1P 1d (Icu = 85 kA 250 V DC)	2P 2d (Icu = 100 kA 250 V DC/1P - 500 V DC/2P)
TM16D	29595	29615
TM20D	29598	29618
TM25D	29594	29614
TM30D	29597	29617
TM40D	29593	29613
TM50D	29596	29616
TM63D	29592	29612
TM80D	29591	29611
TM100D	29590	29610

Compact NS160H

Rating	1P 1d (Icu = 85 kA 250 V DC)	2P 2d (Icu = 100 kA 250 V DC/1P - 500 V DC/2P)
TM125D	30590	30611
TM160D	30589	30610

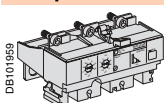
Compact NS100/160/250DC 3P/4P

Basic frame



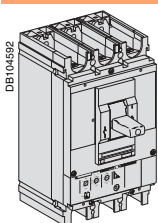
	(Icu = 100 kA 250 V DC/1P - 500 V DC/ 2P - 750 V DC/3P)	
	3P	4P
NS100DC	29016	29017
NS160DC	30416	30417
NS250DC	31416	31417

+ Trip unit




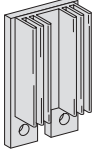

Rating	3P 3d	4P 4d
Standard protection: trip unit TM-D/DC		
TM16D	29035	29055
TM25D	29034	29054
TM40D	29033	29053
TM63D	29032	29052
TM80DC	29029	29049
TM100DC	29028	29048
TM125DC	30436	30446
TM160DC	30435	30445
TM200DC	31446	31456
TM250DC	31445	31455
Type G protection: trip unit TM-G		
TM16G	29155	29165
TM25G	29154	29164
TM40G	29153	29163
TM63G	29152	29162

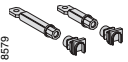



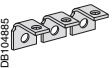

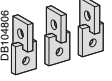
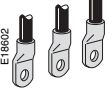


Compact NS400/630DC with trip unit MP





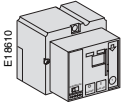
	3P	4P
Trip unit MP1		
Compact NS400DC	32742	32745
Compact NS630DC, 45 mm pitch	32942	32945
Trip unit MP2		
Compact NS400DC	32743	32746
Compact NS630DC, 45 mm pitch	32943	32946
Trip unit MP3		
Compact NS630DC, 45 mm pitch	32944	32947

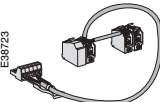
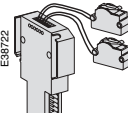
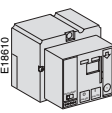
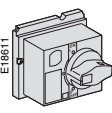
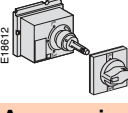
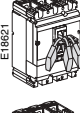
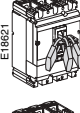
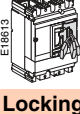
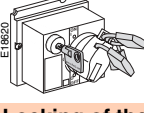
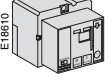
Compact NS100 to NS630 fixed/FC for direct current Parallel or series connection accessories

Special connection accessories for parallel or series connection		NS100-250	NS400-630
	Connection accessories for parallel or series connection of 2 poles ⁽¹⁾	1 connection plate equipped with heat sink + 1 interphase barrier ⁽²⁾ 29498	32868
	<p>(1) Series connection: 2 poles = 1 connection plate. 3 poles = 2 connection plates. 4 poles = 3 connection plates.</p> <p>Parallel connection: 2 poles = 2 connection plates. 3 poles = 1 set of 2 connection plates (29499). 2 x 2 poles = 4 connection plates.</p> <p>(2) These connection accessories come with an interphase barrier.</p>		
	Connection plates for parallel connection of 3 poles	1 set of 2 connection plates 29499	⁽³⁾
	Connection plates for parallel connection of 4 poles	⁽³⁾	⁽³⁾
	1P short terminal shields	1 pair 29320	
	2P short terminal shields	2 pairs 2 x 29320	
	3P terminal shields for series connection of poles	1 set 29495	32865
	4P terminal shields for series connection of poles	1 set 29496	32866
	4P terminal shields for parallel connection of poles (2P/4P)	1 set 29497	32867
<p>(3) To be made by the customer.</p>			


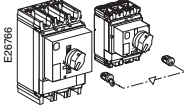

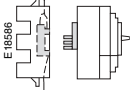
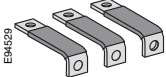
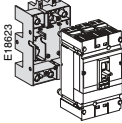
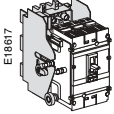

Connection accessories (Cu or Al)		NS100-250	NS400-630		
Rear connections					
 E18579	2 short	29235	32475		
	2 long	29236	32476		
Bare cable connectors					
 E18872	Snap-on, for cable:	Steel: 1.5 to 95 mm ² ; ≤ 160 A	Set of 2 29246		
				Set of 3 29242	
				Set of 4 29243	
		Aluminium: 25 to 95 mm ² ; ≤ 250 A	Set of 2 29255		
			Set of 3 29227		
			Set of 4 29228		
		Aluminium: 120 to 185 mm ² ; ≤ 250 A	Set of 2 29247		
			Set of 3 29259		
			Set of 4 29260		
 E22040	For 1 cable from 35 to 300 mm ²	Set of 3	32479		
		Set of 4	32480		
 E22041	For 2 cables from 35 to 240 mm ²	Set of 3	32481		
		Set of 4	32482		
	Voltage measurement input for bare cable connector 185 mm ² or 1 x 300 mm ² or 2 x 240 mm ²	Set of 2	29348	29348	
Terminal extensions					
 DB1048B5	Right-angle terminal extensions	Set of 2	29250		
		Set of 3	29261	32484	
		Set of 4	29262	32485	
 DB1048B4	Straight terminal extensions	Set of 2	29251		
		Set of 3	29263		
		Set of 4	29264		
 DB1048C6	Edgewise pads	Set of 3		32486	
		Set of 4		32487	
Crimp lugs for copper cable (supplied with 2 or 3 interphase barriers)					
 E18602	For cable 120 mm ²	Set of 3	29252		
		Set of 4	29256		
	For cable 150 mm ²	Set of 3	29253		
		Set of 4	29257		
	For cable 185 mm ²	Set of 3	29254		
		Set of 4	29258		
	For cable 240 mm ²	Set of 3		32500	
		Set of 4		32501	
For cable 300 mm ²	Set of 3		32502		
	Set of 4		32503		
Crimp lugs for aluminium cable (supplied with 2 or 3 interphase barriers)					
 E30908	For cable 150 mm ²	Set of 3	29504		
		Set of 4	29505		
	For cable 185 mm ²	Set of 3	29506		
		Set of 4	29507		
	For cable 240 mm ²	Set of 3		32504	
		Set of 4		32505	
	For cable 300 mm ²	Set of 3		32506	
		Set of 4		32507	
Barriers					
 E18606	Interphase barriers	Set of 6	29329	32570	

Compact NS100 to NS630 fixed/FC for direct current Electrical auxiliaries

Electrical auxiliaries		NS100-630		
Auxiliary contacts (changeover)				
	OF or SD or SDE or SDV		29450	
	OF or SD or SDE or SDV low level		29452	
	SDE adapter for trip unit TM or MA		29451	
Voltage releases				
	AC	Voltage	MX	MN
		24 V 50/60 Hz	29384	29404
		48 V 50/60 Hz	29385	29405
		110-130 V 50/60 Hz	29386	29406
		220-240 V 50/60 Hz	29387	29407
		208-277 V 60 Hz		
		380-415 V 50 Hz	29388	29408
		440-480 V 60 Hz		
		525 V 50 Hz - 600 V 60 Hz	29389	29409
		DC	Voltage	MX
	12 V	29382	29402	
	24 V	29390	29410	
	30 V	29391	29411	
	48 V	29392	29412	
	60 V	29383	29403	
	125 V	29393	29413	
	250 V	29394	29414	
	MN 48 V 50/60 Hz with time delay composed of:	MN 48 V DC		29420
		delay unit 48 V 50/60 Hz		29412
				29426
	MN 220-240 V 50/60 Hz with time delay composed of:	MN 250 V DC		29422
		delay unit of 220-240 V 50/60 Hz		29414
			29427	
Motor mechanism modules with SDE adapter		NS100-250	NS400-630	
	AC	Voltage	MT100/160	MT400
		48-60 V 50/60 Hz	29440	32639
		110-130 V 50/60 Hz	29433	32640
		220-240 V 50/60 Hz	29434	32641
		208-277 V 60 Hz		
		380-415 V 50/60 Hz	29435	32642
		440-480 V 60 Hz		32647
		Voltage	MT250	MT630
		48-60 V 50/60 Hz	31548	32839
		110-130 V 50/60 Hz	31540	32840
		220-240 V 50/60 Hz	31541	32841
		208-277 V 60 Hz		
		380-415 V 50/60 Hz	31542	32842
		440-480 V 60 Hz		32847
	DC	Voltage	MT100/160	MT400
	24-30 V	29436	32643	
	48-60 V	29437	32644	
	110-130 V	29438	32645	
	250 V	29439	32646	
	Voltage	MT250	MT630	
	24-30 V	31543	32843	
	48-60 V	31544	32844	
110-130 V	31545	32845		
250 V	31546	32846		
Operations counter			32648	

LV installation control and monitoring (Digipact)		NS100-250	NS400-630	
Communicating auxiliary contacts for Compact NS circuit breakers 3P/4P				
	OF, SD and SDE communicating auxiliary contacts ⁽¹⁾	29453	32551	
	(1) For NS100-250, the SDE adapter for thermal-magnetic trip units is included.			
Communicating "connected/disconnected" position indication contacts for Compact NS circuit breakers				
	"Connected /disconnected" position indication contacts	29296	29296	
Motor mechanism + communicating auxiliary contacts for Compact NS circuit breakers				
	MT100/160	220-240 V 50/60 Hz + communicating OF, SD, SDE	29441	
	MT250	220-240 V 50/60 Hz + communicating OF, SD, SDE	31549	
	MT400	220-240 V 50/60 Hz + communicating OF, SD, SDE		32652
	MT630	220-240 V 50/60 Hz + communicating OF, SD, SDE		32848
Rotary handles				
Direct rotary handles		NS100-250	NS400-630	
	Standard black handle	29337	32597	
	Red handle on yellow front	29339	32599	
	MCC conversion accessory	29341	32606	
	CNOMO conversion accessory	29342	32602	
Standard extended rotary handle				
	Standard extended rotary handle	29338	32598	
	Red handle on yellow front	29340	32600	
	Telescopic handle for withdrawable device	29343	32603	
Accessories				
	Indication auxiliary	1 early-break contact	29345	32605
		2 early-break contacts	29346	29346
	Early-make wiring terminal	29336		
Locking		NS100-250	NS400-630	
Toggle locking device for 1 to 3 padlocks				
	By removable device	29370	29370	
	By fixed device (3P/4P)	29371	32631	
Locking of the rotary handle				
	Keylock adapter (keylock not included)	29344	32604	
	Keylock (keylock adapter not included)	Ronis 1351B.500	41940	41940
		Profalux KS5 B24 D4Z	42888	42888
Locking of the motor mechanism modules				
	Keylock adapter + Ronis keylock (special)	29449		
	Keylock adapter (keylock not included)		32649	
	Keylock (keylock adapter not included)	Ronis 1351B.500		41940
		Profalux KS5 B24 D4Z		42888

Compact NS100 to NS630 fixed/FC for direct current Interlocking, installation, plug-in/ withdrawable accessories

Interlocking		NS100-250	NS400-630	
Mechanical interlocking for circuit breakers 3P/4P				
 E21288	With toggles	29354	32614	
	With rotary handles	29369	32621	
Interlocking with key (2 keylocks / 1 key) for rotary handles 3P/4P				
 E26766	Keylock kit (keylock not included) ⁽¹⁾	29344	32604	
	1 set of 2 keylocks	Ronis 1351B.500	41950	41950
	(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	42878	42878
	<i>(1) For only 1 device.</i>			
Installation accessories		NS100-250	NS400-630	
Front-panel escutcheons				
 E18689	Toggle 1 to 4P	29315	32556	
	Rotary handle, motor mechanism module or escutcheon collar, IP405 3P/4P	29317	32558	
Toggle cover		29319	32560	
Sealing accessories 1 to 4P		29375	29375	
DIN rail adapter 3P/4P		29305		
Plug-in/withdrawable configuration accessories		NS100-250	NS400-630	
Auxiliary connections				
 E18566	1 9-wire fixed connector (for base)	29273	32556	
	1 9-wire moving connector (for circuit breaker)	29274	29316	
	1 support for 2 moving connectors	29275	32558	
	9-wire manual auxiliary connector (fixed + moving)	29272	29318	
Plug-in base accessories				
 EM4529	Long insulated right angle terminal extension	Set of 3	29276	32526
		Set of 4	29277	32527
	2 IP4 shutters for base		29271	32521
Chassis accessories				
	Escutcheon collar for toggle		29284	32534
	Locking kit (keylock not included)		29286	29286
	2 carriage switches (connected/disconnected position indication)		29287	29287
Parts of plug-in kit				
 E18623	Plug-in base FC/RC	3P	29266	32516
		4P	29267	32517
	Set of 2 power connections for standard device		29268	32518
	Safety trip for advanced opening		29270	32520
Parts of withdrawable kit				
 E18617	Fixed part (for base)	3P/4P	29282	32532
	Moving part (for circuit breaker)		29283	32533
Spare parts		NS100-250	NS400-630	
 E18624	Toggle extension		32553	
	10 toggle extensions	29313		
	Bag of screws	29312	32552	
	12 snap-in nuts (fixed/FC)	M6 for NS100N/H/L	29234	
		M8 for NS160/250N/H/L	30554	
	100 identification labels	29314	29314	

NW10 to NW40 DC fixed and drawout circuit breakers and switch-disconnectors

Device selection

A Masterpact DC circuit breaker is described by 2 catalogue numbers corresponding to:

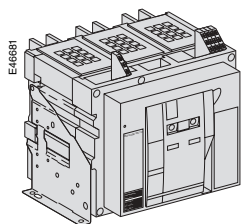
- the basic circuit breaker (fixed or drawout, with chassis)
- a control unit.

A Masterpact switch-disconnector is described by 1 catalogue numbers corresponding to:

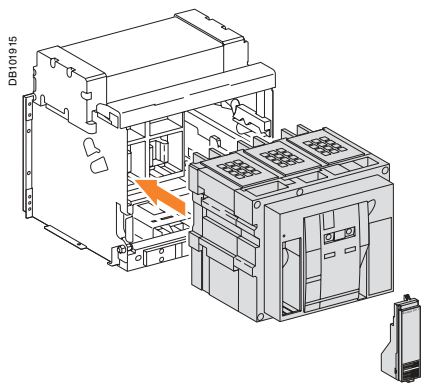
- the basic switch-disconnector (fixed or drawout, with chassis).

Vertical connection is standard however the connectors can be rotated for on-site conversion to horizontal connection (except on the NW40).

A communication option and various auxiliaries and accessories may also be added.



Basic switch-disconnector \leq 4000 A.



Basic circuit breaker + chassis \geq 4000 A.

Basic circuit breaker

Type N

	In (A at 40°C)	Icu (kA for U = 500 VDC)	Fixed	Drawout
NW10NDC-C	1000	35	48645	48660
NW20NDC-C	2000	35	48646	48661
NW40NDC-C	4000	35	48647	48662

Type H

	In (A at 40°C)	Icu (kA for U = 500 VDC)	Fixed	Drawout
NW10HDC-C	1000	85	48648	48663
NW10HDC-D	1000	85	48649	48664
NW10HDC-E	1000	85	48650	48665
NW20HDC-C	2000	85	48651	48666
NW20HDC-D	2000	85	48652	48667
NW20HDC-E	2000	85	48653	48668
NW40HDC-C	4000	85	48654	48669
NW40HDC-D	4000	85	48655	48670
NW40HDC-E	4000	85	48656	48671

DC 1.0 Micrologic control unit

Setting range

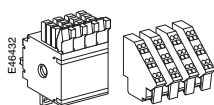
Minimum (A \pm 8 %)	Maximum (E \pm 10 %)	
1250	2500	48675
2500	5400	48676
5000	11000	48677

Basic switch-disconnector

Type HA

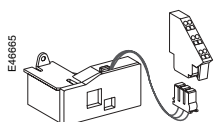
	In (A at 40°C)	Icm (kA for U = 500 VDC)	Fixed	Drawout
NW10HADC-C	1000	85	48684	48698
NW10HADC-D	1000	85	48685	48699
NW10HADC-E	1000	85	48879	48882
NW20HADC-C	2000	85	48687	48701
NW20HADC-D	2000	85	48688	48702
NW20HADC-E	2000	85	48880	48883
NW40HADC-C	4000	85	48690	48704
NW40HADC-D	4000	85	48691	48705
NW40HADC-E	2000	85	48881	48884

ON/OFF indication contacts (OF)



Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)
1 additional block of 4 contacts (2 max.)	48198

"Fault trip" indication contacts (SDE)

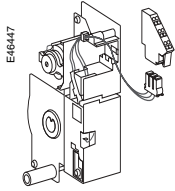


Changeover contact (5 A - 240 V)	1 (standard)
1 additional SDE (5 A - 240 V)	48200
1 additional low-level SDE	48201

NW10 to NW40 DC fixed circuit breakers (cont.) Remote operation

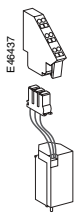
Remote ON/OFF

Gear motor



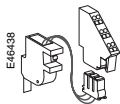
		MCH
AC 50/60 Hz	48 V	48207
	100-130 V	48211
	200-240 V	48212
	250-277 V	48213
	380-415 V	48214
	440-480 V	48215
DC	24-30 V	48206
	48-60 V	48207
	100-130 V	48208
	200-250 V	48209

Instantaneous voltage releases



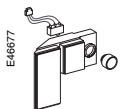
		Closing release	Opening release	
Standard		XF	MX	
AC 50/60 Hz	12 V DC	47349	47359	
	DC	24-30 V DC, 24 V AC	47350	47360
		48/60 V DC, 48 V AC	47351	47361
	100-130 V	47352	47362	
	200-250 V	47353	47363	
	277 V AC	47354	47364	
DC	380-480 V AC	47355	47365	
	Communicating		XF com	MX com
AC 50/60 Hz	12 V DC	47310	47320	
	DC	24-30 V DC, 24 V AC	47311	47321
48-60 V DC, 48 V AC		47312	47322	
100-130 V		47313	47323	
200-250 V		47314	47324	
277 V AC		47315	47325	
380-480 V AC		47316	47326	

"Ready to close" contact (1 max.)



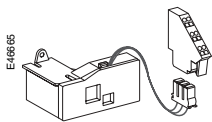
		PF
	1 changeover contact (5 A - 240 V)	47342
	1 low-level changeover contact	47343

Electrical closing pushbutton



		BPFE
	1 pushbutton	48534

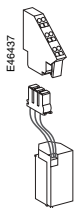
Remote reset after fault trip



		Res
Electrical reset	110-130 V AC	48202
	220-240 V AC	48203
Automatic reset		RAR
	Adaptation	47346 (*)

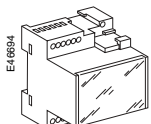
Remote tripping

Instantaneous voltage release



		2 nd MX	or	MN
AC 50/60 Hz	12 V DC	47369		
	DC	24-30 V DC, 24 V AC	47370	
48-60 V DC, 48 V AC		47371		47381
100-130 V		47372		47382
200-250 V		47373		47383
277 V AC		47374		
380-480 V AC		47375		47385

MN delay unit

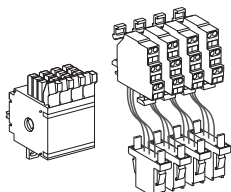


		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48-60 V		33680
	DC	100-130 V	33684
200-250 V		33685	33682
380-480 V			33683

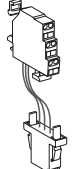
(*) No charge.

NW10 to NW40 DC drawout circuit breakers Indication contacts

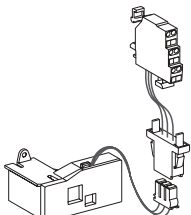
ON/OFF indication contacts (OF)

E-46689		Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)
		1 additional block of 4 contacts (2 max.)	48468


Combined closed / connected contacts for use with 1 auxiliary contact

E-46690		1 contact (5 A - 240 V) (8 max.)	48477
		or 1 low-level contact (8 max.)	48478

"Fault trip" indication contacts (SDE)

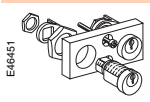
E-46691		Changeover contact (5 A - 240 V)	1 (standard)
		1 additional SDE (5 A - 240 V)	48475
		or 1 additional low-level SDE	48476

Carriage switches (connected / disconnected / test position)

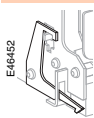
E-46661		Changeover contacts (8 A - 240V)	
		1 connected position contact (3 max.)	33751
		1 test position contact (3 max.)	33752
		1 disconnected position contact (3 max.)	33753
		and/or low-level changeover contacts	
		1 connected position contact (3 max.)	33754
		1 test position contact (3 max.)	33755
		1 disconnected position contact (3 max.)	33756
		Actuator for additional carriage switches	48560

Chassis locking

"Disconnected" position locking

	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:	key: random not identified combinaison	33173
		key: same not identified 215470 combinaison	33174
		key: same not identified 215471 combinaison	33175
	Ronis	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 combinaison	33189
		key: same not identified EL24135 combinaison	33190
		key: same not identified EL24153 combinaison	33191
		key: same not identified EL24315 combinaison	33192
Optional disconnected/test/connected position locking		33779	
Locking kit without locks for	Profalux, Ronis	48564	
	Kirk	48565	
	Castell	48566	

Door interlock (1 part)

	Right-hand side of chassis	48579
	Left-hand side of chassis	48580

Racking interlock

	1 part	48582
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Racking interlock between crank and OFF pushbutton

	1 part	48585
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Automatic spring discharge before breaker removal

	1 part	48554
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Breaker mismatch protection

	Breaker mismatch protection VDC	33767
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Chassis accessories

Arc chute cover

	3P/4P	Standard
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Auxiliary terminal shield (CB)

	1000/4000 A	3P	48595
		4P	48596

Safety shutters + locking block

	1000/4000 A	3P	48587
		4P	48589

Shutter locking block (for replacement)

	2 parts for 1000/4000 A	48591
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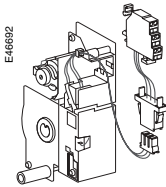
Front face shutter position indication and locking

	1000/4000 A	3P/4P	48592
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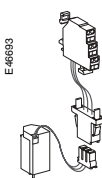
(*) No charge.

Remote ON/OFF

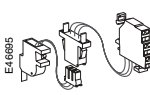
Gear motor

	AC 50/60 Hz	48 V	MCH	48522	
		100-130 V		48526	
		200-240 V		48527	
		250-277 V		48528	
		380-415 V		48529	
		440-480 V		48530	
		DC	24-30 V		48521
			48-60 V		48522
			100-130 V		48523
			200-250 V		48524

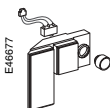
Instantaneous voltage releases

		Closing release	Opening release		
	Standard	XF	MX		
	AC 50/60 Hz	12 V DC	48480	48490	
		DC	24-30 V DC, 24 V AC	48481	48491
			48-60 V DC, 48 V AC	48482	48492
		100-130 V	48483	48493	
		200-250 V	48484	48494	
		277 V AC	48485	48495	
		380-480 V AC	48486	48496	
	DC	12 V DC	48448	48457	
		24-30 V DC, 24 V AC	48449	48458	
		48-60 V DC, 48 V AC	48450	48459	
		100-130 V	48451	48460	
200-250 V		48452	48461		
DC	277 V AC	48453	48462		
	380-480 V AC	48454	48463		
	Communicating	XF com	MX com		

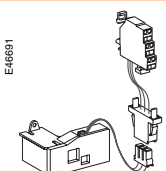
"Ready to close" contact (1 max.)

	1 changeover contact (5 A - 240 V)	PF	48469
	1 low-level changeover contact		48470

Electrical closing pushbutton

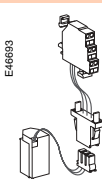
	1 pushbutton	BPFE	48534
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Remote reset after fault trip

	Electrical reset	Res	
	110-130 V AC		48472
	220-240 V AC		48473
	Automatic reset	RAR	
	Adaptation		47346 (*)

Remote tripping

Instantaneous voltage release

		2 nd MX	or	MN
	AC 50/60 Hz	12 V DC	48510	
		DC	24-30 V DC, 24 V AC	48511
		48-60 V DC, 48 V AC	48512	48502
		100-130 V	48513	48503
		200-250 V	48514	48504
		277 V AC	48515	
		380-480 V AC	48516	48506

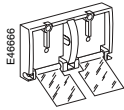
MN delay unit

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

(*) No charge.

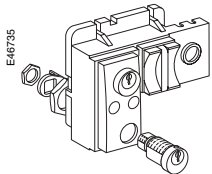
Circuit breaker locking

Pushbutton locking device



By padlocks	48536
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OFF position locking



By padlocks		48539
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By padlocks and keylocks		
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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 combinaison	33173
	key: same not identified 215470 combinaison	33174
	key: same not identified 215471 combinaison	33175

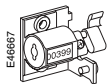
Ronis	1 lock	48549
	1 lock + 1 lock with same key profile	48550
	2 locks (different key profiles)	48551

1 identical keylock Profalux with the same key:	key: random not identified combinaison	33189
	key: same not identified EL24135 combinaison	33190
	key: same not identified EL24153 combinaison	33191
	key: same not identified EL24315 combinaison	33192

Locking kit without locks for	Profalux, Ronis	48541
	Kirk	48542
	Castell	48543

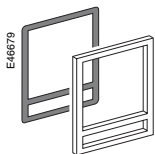
Other circuit breaker accessories

Mechanical operation counter

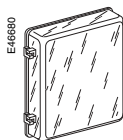


operation counter CDM	48535
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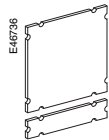
Escutcheon and accessories



Escutcheon.



Cover.

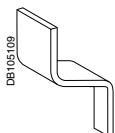


Blanking plate.

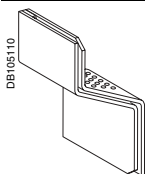
	Fixed	Drawout
Escutcheon	48601	48603
Transparent cover IP 54		48604
Escutcheon blanking plate	48605	48605

Rear connection

Serial connection kit



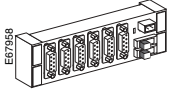
For NW10/20 DC	48642
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For NW420 DC	48643
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RS485 Modbus pre-wired system

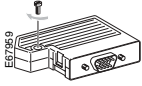
RS485 Modbus junction block



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

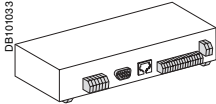
50961



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

50965

Micro Power Server MPS100

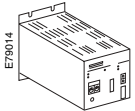


MPS100

33507

Digipact Bus pre-wired system

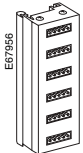
Data concentrator DC150



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 mm²)
100-meter roll (0.75 mm²)

50779

50780

Converter

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

59648

RS485/RS232

TSX SCA72

none

RS485/Ethernet

174 CEV 300-10

(*)

RS485/Ethernet (SMS compatible)

EGX 200/400

(2)

(1) See catalogue Telemecanique.

(2) See catalogue PowerLogic System.

Compact NS100 to NS630 DC Circuit breakers

Check the applicable and enter the appropriate square boxes information in the rectangles

Circuit breaker	Quantity
Compact type	NS100/160/250
	NS400/630

Rating	A
Circuit breaker	N, H
Number of poles	1 or 2
Circuit breaker	DC
Number of poles	3 or 4
Number of poles tripped	3d or 4d

Fixed device	Front conn.	Long rear conn.
	Short rear conn.	
Plug-in/withdr.	Plug-in	Withdrawable

Thermal-magnetic trip unit

Thermal-magnetic NS100 to 250	TMD rating (16...63 A)
	TMG rating (16...63 A)
	TMDC rating (80...250 A)

Magnetic only NS400/630	MP1 (NS400/630)
	MP2 (NS400/630)
	MP3 (NS630)

Special connection accessories for parallel or series connection

Series connection	2 poles (1 connection plate)
	3 poles (2 connection plates)
	4 poles (3 connection plates)

Parallel connection	2 poles (2 connection plates)
	3 poles (NS100 to 250, 1 set of 2 connection plates)
	2 x 2 poles (4 connection plates)

Special terminal shields for parallel or series connection

1P short	1 pair
2P short	2 x 1 pair (1P)
3P short for series connection of poles	1 set
4P short for series connection of poles	1 set
4P short for parallel connection of poles (2P/4P)	1 set

Connection

NS100/250 connectors	Snap-on 1.5 ² to 95 ² (< 160 A)
	Snap-on 25 ² to 95 ² (< 250 A)
	Snap-on 120 ² to 185 ² (< 250 A)

NS400/630 connectors	1 cable 35 ² to 300 ²
	2 cables 35 ² to 240 ²

Voltage measurement input	For bare cable connector NS100/250 ≤ 185 ²
	For bare cable connector NS400/630

Right-angle terminal extensions	
Straight extensions	NS100/250
Edgewise extensions	NS400/630

Cu cable lugs	NS100/250	120 ²	150 ²	185 ²
	NS400/630	240 ²	300 ²	
Al cable lugs	NS100/250	150 ²	185 ²	
	NS400/630	240 ²	300 ²	

Interface barriers	Set of 6
--------------------	----------

Communication

Communicating Of, SD, SDE or SDV auxiliary contacts	6A-240 V AC	Low level
Connected/disconnected position indication contacts		

Motor mechanism + communicating Of, SD, SDE contacts	220-240 V 50/60 Hz
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Indication and measurements

Auxiliary contact Of, SD or SDE	Standard	Low level
SDE adapter (TM trip unit)		

Remote operation

Electrical operation	Motor mechanism	CA	CC	V	
Voltage releases	Instantaneous	MX	CA	CC	V
		MN	CA	CC	V
	Delayed	MN	CA	CC	V

Rotary handles

Direct	Black	Red on yellow front
	MCC conversion access.	CNOMO conversion access.
Extended	Black	Red on yellow front
	Telescopic handle for withdrawable device	
Indication auxiliary	1 early-break switch	2 early-break switches
	Wiring accessory for early-make switches	

Locking

Toggle (1 to 3 padlocks)	Removable	Fixed
Rotary handle	Keylock adapter (keylock not included)	
	Keylock Ronis 1351B.500	Profalux KS5 B24 D4Z
Motor mechanism	Keylock adapter + Keylock Ronis (special)	NS100/250
	Keylock adapter (keylock not included)	NS400/630
	Keylock Ronis 1351B.500	Profalux KS5 B24 D4Z

Interlocking

Mechanical	Toggle	Rotary handle
By key (2 Keylocks, 1 key)	Keylock adapter (keylock not included)	
For rotary handle	Keylock Ronis 1351B.500	Profalux KS5 B24 D4Z

Installation accessories

Front-panel escutcheon	Toggle
	Rotary handle, motor mechanism, escutcheon collar; IP405
Toggle cover	
Sealing accessories	
DIN rail adapter	NS100/250

Plug-in / Drawout configuration accessories

Auxiliary connections	1 automatic connector fixed part with 9 wires (for base)			
	1 auto. conn. moving part with 9 wires (for circuit breaker)			
	1 support for 3 automatic connector moving parts			
	9-wire manual auxiliary connector (fixed + moving)			
Plug-in base accessories	Long insulated terminals	Set of 3	Set of 4	
	2 IP4 shutters for base			
Chassis accessories	Escutcheon collar	Toggle	Vigi	
	Locking kit (keylock not included)			
	2 carriage switches (conn./disconnected position indication)			
Parts of plug-in	Plug-in base FC/RC	2P	3P	4P
	Set of 2 power connections	Standard	Vigi	
	Safety trip for advanced opening			
	For 3P/4P chassis			Moving part
				Fixed part

Masterpact NW DC Circuit breakers and switch-disconnectors

Check the applicable and enter the appropriate
square boxes information in the rectangles

Circuit breaker or switch-disconnector		Qty	<input type="checkbox"/>
Masterpact type	NW10		<input type="checkbox"/>
	NW20		<input type="checkbox"/>
	NW40		<input type="checkbox"/>
Circuit breaker	N, H		<input type="checkbox"/>
Switch-disconnector	HA		<input type="checkbox"/>
Type of sensor	1250 to 2500 A		<input type="checkbox"/>
	2500 to 5400 A		<input type="checkbox"/>
	5000 to 11000 A		<input type="checkbox"/>
Version	C, D, E		<input type="checkbox"/>
Type of equipment	Fixed		<input type="checkbox"/>
	Drawout chassis		<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"/>

Connection

Vertical Standard version Top Bottom

Horizontal Vertical connection is standard however the connectors can be rotated for on-site conversion to horizontal connection (except on the NW40)

Indication contacts

OF - ON/OFF indication contacts

Standard	4 OF 10 A/240 V CA and low level		
Additional	1 block of 4 OF	Max. 2	Qty <input type="checkbox"/>

EF - combined "connected/closed" contacts

	1 EF 6 A/240 V CA	Max. 8	Qty <input type="checkbox"/>
	1 EF low level	Max. 8	Qty <input type="checkbox"/>

SDE - "fault-trip" indication contact

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

Carriage switches Low level 6 A/240 V CA

CE - "connected" position	Max. 3		Qty <input type="checkbox"/>
CD - "disconnected" position	Max. 3		Qty <input type="checkbox"/>
CT - "test" position	Max. 3		Qty <input type="checkbox"/>
AC - actuator for additional carriage switches (for 6 CE-3 CD-0 CT)			Qty <input type="checkbox"/>

Remote operation

Electrical operation	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 CA	<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"/>
	Rr - adjustable delay unit		<input type="checkbox"/>
	2° MX - shunt release	V	<input type="checkbox"/>

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	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 locking <input type="checkbox"/>				

VPEC - door interlock

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

VPOC - racking interlock

IPA - cable-type door interlock

VDC - mismatch protection

VIVC - shutter position indication and locking

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	<input type="checkbox"/>
CDM - mechanical operation counter	<input type="checkbox"/>
CB - auxiliary terminal shield for chassis	<input type="checkbox"/>
CDP - escutcheon	<input type="checkbox"/>
CP - transparent cover for escutcheon	<input type="checkbox"/>
OP - blanking plate for escutcheon	<input type="checkbox"/>