

SIDER

Load break switches for power distribution
from 125 to 3150 A with visible breaking

Accessories (continued)

S type auxiliary contacts for signalisation - Front and right side operation

Use

Signalling of positions 0 and I,
1 to 4 NO+NC auxiliary contacts.

Connection to the control circuit

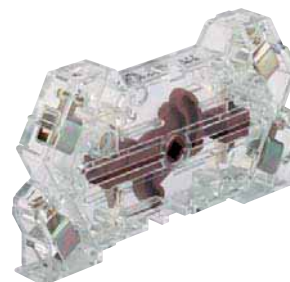
By terminals with a max. cross-section of
10 mm².

Electrical principle

The NO+NC S-type auxiliary contacts can
be configured as 2 NO or 2 NC.

Electrical characteristics

30 000 operations.



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NO+NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1	3999 0041
ND 125 ... ND 500	2	3999 0042
ND 125 ... ND 500	3	3999 0043
ND 125 ... ND 500	4	3999 0044

Characteristics

Rating (A)	Contact type	Current nominal (A)	Operating current I _e (A)	
			250 VAC	400 VAC
ND 125 ... ND 500	NO + NC	20	AC-13 10	AC-13 8

Terminal shrouds

Use

Top or bottom protection against direct
contact with terminals or connection parts.

Perforations allow remote thermographic
inspection without the need to remove the
shrouds.

Advantage

Rating (A)	No. of poles	Position	Reference
ND 125 ... ND 200	3 P	top or bottom	3998 3016 ⁽¹⁾
ND 125 ... ND 200	4 P	top or bottom	3998 4016 ⁽²⁾
ND 250 ... ND 500	3 P	top or bottom	3998 3025 ⁽¹⁾
ND 250 ... ND 500	4 P	top or bottom	3998 4025 ⁽²⁾

(1) Reference composed of 3 pieces.

(2) Reference composed of 4 pieces.



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Terminal screens

Use

Top or bottom protection against direct contact with terminals or connection parts.

Rating (A)	No. of poles	Position	Reference
630 ... 800	3 P	top or bottom	2998 3080
630 ... 800	4 P	top or bottom	2998 4080
1250 ... 3150	3 P	top or bottom	2998 3120
1250 ... 1600	4 P	top or bottom	2998 4120



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Inter-phase barrier

Use

Safe isolation between the terminals, essential for use at 690 VAC or
in a polluted or dusty atmosphere.

Rating (A)	No. of poles	Reference
630 ... 3150	3 P	2998 0003
630 ... 1600	4 P	2998 0004



access_036_a_1_cat

References

Front operation - Switch body with a shunt trip coil 230 VAC

Rating (A)	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Auxiliary contact position	Auxiliary contact tripping	Terminal shrouds	Terminal screens	Inter phase barrier				
250 A	3 P	3500 3026	Black 3999 6203	S3 type Black IP55 1431 3511 ⁽¹⁾ S3 type Red/Yellow IP55 1432 3511	200 mm 1401 1520 320 mm 1401 1532 ⁽¹⁾	1 st contact NO/NC 3999 0051 2 nd contact NO/NC 3999 0052	1 contact NO/NC 3999 0031	3 P 3998 3040 ⁽²⁾ 4 P 3998 4040 ⁽²⁾						
	4 P	3500 4026												
400 A	3 P	3500 3041												
	4 P	3500 4041												
630 A	3 P	3500 3064												
	4 P	3500 4064												
800 A	3 P	3500 3081												
	4 P	3500 4081												
1250 A	3 P	3500 3121												
	4 P	3500 4121												
1600 A	3 P	3500 3161												
	4 P	3500 4161												
1800 A	3 P	3500 3180												
	4 P	3500 4180												
													3 P 2998 0003 4 P 2998 0004	included

(1) Standard.

(2) Top/bottom.

Side operation - Switch body with a shunt trip coil 230 VAC

Rating (A)	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Auxiliary contact position	Auxiliary contact tripping	Terminal shrouds	Terminal screens	Inter phase barrier					
250 A	3 P	3505 3026	Black 3999 6012 ⁽¹⁾ Red 3999 6013	S3 type Black IP55 1435 3511 ⁽¹⁾ S3 type Red IP55 1436 3511	200 mm 1403 1520	1 st contact NO/NC 3999 0051 2 nd contact NO/NC 3999 0052	1 contact NO/NC 3999 0031	3 P 3998 3040 ⁽²⁾ 4 P 3998 4040 ⁽²⁾							
	4 P	3505 4026													
400 A	3 P	3505 3041													
	4 P	3505 4041													
630 A	3 P	3505 3064													
	4 P	3505 4064													
800 A	3 P	3505 3081													
	4 P	3505 4081													
1250 A	3 P	3505 3121													
	4 P	3505 4121													
1600 A	3 P	3505 3161													
	4 P	3505 4161													
1800 A	3 P	3505 3180													
	4 P	3505 4180													
													3 P 2998 3120 ⁽²⁾ 4 P 2998 4120 ⁽²⁾	3 P 2998 0003 4 P 2998 0004	included

(1) Standard.

(2) Top/bottom.

SIDERMAT

Load break switches for power distribution
from 250 to 1800 A with tripping function

Accessories (continued)

Auxiliary contact

Use

Pre-break and signalling of positions 0 and I:
1 to 2 NO / NC auxiliary contacts.

Coil tripping

1 to 2 NO / NC auxiliary contacts.

Connection to the control circuit

By 6.35 mm fast-on terminal.

Characteristics

NO / NC auxiliary contact: IP2.

Electrical characteristics:

30000 operations.



acces_048_a_1_cat

Characteristics

NO / NC position contact		Operating current I _e (A)			
Rating (A)	Rated current (A)	250 VAC	400 VAC	24 VDC	48 VDC
		AC-13	AC-13	DC-13	DC-13
250 ... 1800	16	12	8	14	6

References

NO / NC position contact	AC position	Reference
Rating (A)	1 st	3999 0051
250 ... 1800	2 nd	3999 0052

NO / NC coil trip signalling

NO / NC coil trip signalling		Operating current I _e (A)			
Rating (A)	Rated current (A)	250 VAC	400 VAC	24 VDC	48 VDC
		AC-13	AC-13	DC-13	DC-13
250 ... 1800	16	12	8	12	2

NO / NC low level position contact	AC position	Reference
Rating (A)	1 st	3999 0111
250 ... 1800	2 nd	3999 0112

NO / NC coil trip signalling	AC position	Reference
Rating (A)	1	3999 0031
250 ... 1800		

Terminal shrouds

Use

Top or bottom protection against direct
contact with terminals or connection parts.

Perforations allow remote thermographic
inspection without the need to remove the
shrouds.

Advantage

Rating (A)	No. of poles	Position	Reference
250 ... 630	3 P	top or bottom	3998 3040
250 ... 630	4 P	top or bottom	3998 4040
800	3 P	top or bottom	3998 3063
800	4 P	top or bottom	3998 4063



acces_212_a_2_cat

Terminal screen

Use

Top or bottom protection against direct contact with terminals or connection parts.

Rating (A)	No. of poles	Position	Reference
1250 ... 1800	3 P	Top or bottom	2998 3120
1250 ... 1800	4 P	Top or bottom	2998 4120

Inter-phase barrier

Use

Safety isolation between the terminals, essential for use at 690 VAC or in
a polluted or dusty atmosphere.

Rating (A)	No. of poles	Reference
1250 ... 1600	3 P	2998 0003
1250 ... 1600	4 P	2998 0004
1800	3 / 4 P	included



acces_036_a_2_cat

References

NFC and DIN - Front operation - Switch body with a shunt trip coil - 230 VAC

Rating (A) / Fuse ⁽⁴⁾	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	1 st position AC	Tripping AC	Terminal shrouds top	Terminal screens top	Inter phase barrier																													
630 A / 3	3 P	3520 3063	Black 3999 6203 ⁽¹⁾	S3 type Black IP55 1431 3511 ⁽¹⁾ Red IP55 1432 3511	320 mm 1401 1532	1 st contact NO/NC 3999 0051 2 nd contact NO/NC 3999 0052	1 contact NO/NC 3999 0031	3998 3063	3 P 2998 3120 ⁽²⁾ 4 P 2998 4120 ⁽²⁾	3 P 2998 0003 4 P 2998 0004																													
	4 P	3520 6063						3998 4063																															
800 A / 4	3 P	3520 3080						Black 3999 6203 ⁽¹⁾			S3 type Black IP55 1431 3511 ⁽¹⁾ Red IP55 1432 3511	320 mm 1401 1532	1 st contact NO/NC 3999 0051 2 nd contact NO/NC 3999 0052	1 contact NO/NC 3999 0031	3 P 2998 3120 ⁽²⁾ 4 P 2998 4120 ⁽²⁾	3 P 2998 0003 4 P 2998 0004																							
	4 P	3520 6080															3 P 2998 3180 ⁽²⁾ included 2998 4180 ⁽²⁾																						
1250 A / 4	3 P	3520 3120																Black 3999 6203 ⁽¹⁾	S3 type Black IP55 1431 3511 ⁽¹⁾ Red IP55 1432 3511	320 mm 1401 1532	1 st contact NO/NC 3999 0051 2 nd contact NO/NC 3999 0052	1 contact NO/NC 3999 0031	3 P 2998 3120 ⁽²⁾ 4 P 2998 4120 ⁽²⁾	3 P 2998 0003 4 P 2998 0004															
	4 P	3520 6120																																					
1600 A / 2 x 4*	3 P	3520 3160																							Black 3999 6203 ⁽¹⁾	S3 type Black IP55 1431 3511 ⁽¹⁾ Red IP55 1432 3511	320 mm 1401 1532	1 st contact NO/NC 3999 0051 2 nd contact NO/NC 3999 0052	1 contact NO/NC 3999 0031	3 P 2998 3120 ⁽²⁾ 4 P 2998 4120 ⁽²⁾	3 P 2998 0003 4 P 2998 0004								
	3 P + NC	3520 4160																																					
	4 P	3520 6160																																					
1800 A / 2 x 4*	3 P	3520 3180 ⁽³⁾																														Black 3999 6203 ⁽¹⁾	S3 type Black IP55 1431 3511 ⁽¹⁾ Red IP55 1432 3511	320 mm 1401 1532	1 st contact NO/NC 3999 0051 2 nd contact NO/NC 3999 0052	1 contact NO/NC 3999 0031	3 P 2998 3120 ⁽²⁾ 4 P 2998 4120 ⁽²⁾	3 P 2998 0003 4 P 2998 0004	
	3 P + NC	3520 4180 ⁽³⁾																																					2998 3180 ⁽²⁾ included 2998 4180 ⁽²⁾
	4 P	3520 6180 ⁽³⁾																																					

(1) Standard.

(2) Bottom terminals protection screen as standard.

(3) Only one of the two T4 fuses should be equipped with striker.

(4) For the fuses: see "NFC-DIN industrial fuselinks 0.16 to 1250 A" page 344.

* Two size 4 DIN fuses in parallel per pole.

SIDERMAT combination

Visible breaking and tripping fuse switches

from 630 to 1800 A

Accessories (continued)

Fuse blown indication

Use

For DIN fuse cartridges with striker.

Electrical principle

A NO/ NC auxiliary contacts detects that the fuse has blown.

Connection to the control circuit

By 6.35 mm fast-on terminal.

Electrical characteristics

30 000 operations.

NO/NC changeover contact

Rating (A)	No. of poles	Position AC	Reference
630 ... 1800	3/4 P	1 st	included

Characteristics

Rating (A)	Nominal current (A)	Operating current I _e (A)			
		250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
630 ... 1800	16	12	8	12	2

Terminal shrouds

Use

Top or bottom protection against direct contact with terminals or connection parts.

Advantages

Perforations allowing remote thermographic inspection without removal.

Rating (A)	No. of poles	Position	Reference
630	3 P	top	3998 3063
630	4 P	top	3998 4063



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Terminal screens

Use

Top or bottom protection against direct contact with terminals or connection parts.

Rating (A)	No. of poles	Position	Reference
800 ... 1600	3 P	top	2998 3120
800 ... 1600	4 P	top	2998 4120
1800	3 P	top	2998 3180
1800	4 P	top	2998 4180
800 ... 1800	3/4 P	bottom	included

Inter phase barrier

Use

Safety isolation between the terminals, essential for use at 690 VAC or in a polluted or dusty atmosphere.

Rating (A)	No. of poles	Reference
1250 ... 1800	3 P	2998 0003
1250 ... 1800	4 P	2998 0004



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Handle key interlocking accessories

Use

Locking in position 0 of the front operation handle:

- using a padlock (not supplied) and the factory integrated padlocking function of the handle.
- using RONIS 1104 A lock (key BC 3318) to be mounted directly on the padlockable handle,
- locking using RONIS EL11AP lock (not supplied).

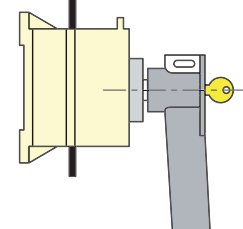
Locking using RONIS EL 1104 A lock (supplied)

Rating (A)	Operation	Reference
630 ... 1800	front direct	3999 8104

Locking using RONIS EL11AP lock (not supplied)

Rating (A)	Operation	Reference
630 ... 1250	front direct	3999 7007
1600 ... 1800	front direct	3999 6117
630 ... 1800	external front	1499 7701

Lock RONIS 1104A



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Other specific accessories

- Customised protection screens (for specific dimensions or high ambient temperatures).
- Connection accessories.
- Mounting plates for standard systems.
- Special construction available for specific environments.