

Accessories (continued)

M type auxiliary contacts

Use

Pre-break and signalisation of positions 0 and I by NO+NC or 2 NO auxiliary contacts.

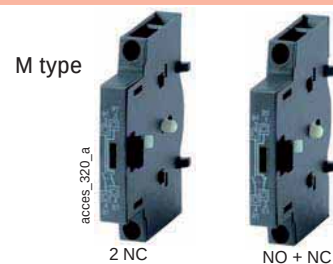
They allow to anticipate the switching of the main poles. They can be mounted on the left or on the right side of the device.

Max 4 auxiliary contacts (2 modules).

Pre-break is not guaranteed on the SIRCO MV.

Characteristics

NO+NC auxiliary contacts: IP2 with front operation.



For SIRCO M

Rating (A) / Frame size	Number of AC	Type of AC	Reference
16 ... 125 / M1...M3	1 AC	NO + NC	2299 0001
	1 AC	2 NO	2299 0011

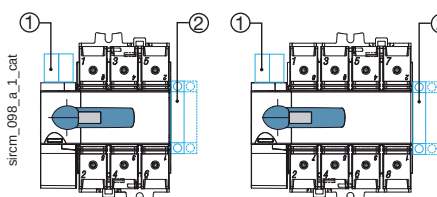
For SIRCO MV

Rating (A)	Number of AC	Type of AC	Reference
100 ... 160	1 AC	NO + NC	2299 0001
100 ... 160	1 AC	2 NO	2299 0011

Characteristics

Contact type	Nominal current (A)	Operating current I _e (A)	
		AC-13	AC-15
NO + NC	10	10	6

Auxiliary contact configurations for SIRCO MV



1. Maximum 2 "U" type auxiliary contacts.
2. Maximum 2 "M" type auxiliary contact modules.

For SIRCO MV

Rating (A)	Number of AC	Type of AC	Reference
100 ... 160	1 AC	NC	3999 0701
100 ... 160	1 AC	NO	3999 0702

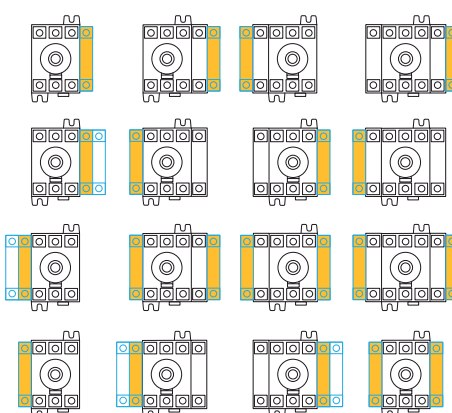
Characteristics

Contact type	Nominal current (A)	Operating current I _e (A)			
		250 VAC AC-15	400 VAC AC-15	24 VDC DC-13	48 VDC DC-13
NC	10	3	1.8	2.8	1.4
NO	10	3	1.8	2.8	1.4

Auxiliary contacts configurations for SIRCO M

Max: 2 blocks / Max: 2 AC

Pre-break No Pre-break



U type



Use

Pre-break and signalisation by NO or NC auxiliary contact can be mounted on the device.

Maximum 2 auxiliary contacts. Only available for SIRCO MV switches.

Conversion kit

Use

It must be ordered together with the handle for external control.

This accessory enables the assembly of two 3 pole switches (+ additional pole) in order to create :

- a 6 or 8 pole SIRCO M load break switch,
- a 3 or 4 pole SIRCO M changeover switch.

Load break switches 6/8 P

Rating (A) / Frame size	Type	Reference
16 ... 80 / M1 ... M2	6/8 P switch	2269 6009
100 ... 125 / M3	6/8 P switch	2269 6011

Changeover switches I - 0 - II

Rating (A) / Frame size	Type	Reference
16 ... 80 / M1 ... M2	Changeover switches I - 0 - II	2209 6009
100 ... 125 / M3	Changeover switches I - 0 - II	2209 6011

SIRCO M changeover switches provide on load changeover switching between two sources or two low voltage power circuits, as well as their safety isolation (I - 0 - II); transfer without interruption of the supply is also possible (I - I+II - II).

Changeover switches I - I+II - II

Rating (A) / Frame size	Type	Reference
16 ... 80 / M1 ... M2	Changeover switches I - I+II - II	2299 6009
100 ... 125 / M3	Changeover switches I - I+II - II	2299 6011



Conversion kit for 6 or 8 pole load break switches



Conversion kit for changeover switches I - 0 - II



Conversion kit for changeover switches I - I+II - II

Auxiliary contacts for pre-break and signalling - Front operation

- Use**
Pre-break and signalling of positions 0 and I:
- 1 to 2 NO/NC auxiliary contacts,
- 1 to 4 NO or NC auxiliary contacts,
- 1 to 4 NO+NC auxiliary contacts.
- Connection to the control circuit**
6.35 mm fast-on terminal.
Characteristics
NO/NC A/C: IP2X.
Electrical characteristics
30 000 operations.



NO/NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 st	3999 0021 ⁽¹⁾
ND 125 ... ND 500	2 nd	3999 0022 ⁽¹⁾
630 ... 1600	1 st	2799 0001
630 ... 1600	2 nd	2799 0002

(1) For direct operation.

NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0701 ⁽¹⁾

(1) For external operation.

Characteristics

Rating (A)	Contact type	Current nominal (A)	Operating current I _e (A)			
			250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
ND 125 ... ND 500	changeover NO/NC	16		3	12	2
ND 125 ... ND 500	NC	10	6	4	5	3
ND 125 ... ND 500	NO	10	6	4	5	3
630 ... 1600	changeover NO/NC	16	12	8	14	6
630 ... 1600	NO + NC	15	10	6	15	12

NO contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0702 ⁽¹⁾

(1) For external operation.

NO + NC contact Rating (A)	Position AC	Reference
630 ... 1600	1	2799 0005

Low level NO/NC auxiliary contacts		
Rating (A)	Position AC	Reference
630 ... 1600	1	2699 0101

Auxiliary contacts for pre-break and signalling - Right side operation

- Use**
Pre-break and signalling of positions 0 and I:
- 1 to 2 NO/NC auxiliary contacts,
- 1 to 4 NO or NC auxiliary contacts.
- Connection to the control circuit**
By 6.35 mm fast-on terminal.
Characteristics
NO/NC A/C: IP2X.
Electrical characteristics
30 000 operations.



NO/NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 st	3999 0021
ND 125 ... ND 500	2	3999 0022
630 ... 1600	1 st	2799 0011
630 ... 1600	2 nd	2799 0012

NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0701

NO contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0702

Low level NO/NC auxiliary contacts		
Rating (A)	Position AC	Reference
630 ... 1600	1	2799 0111

Characteristics

Rating (A)	Contact type	Current nominal (A)	Operating current I _e (A)			
			250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
ND 125 ... ND 500	changeover NO/NC	16		3	12	2
ND 125 ... ND 500	NC	10	6	4	5	3
ND 125 ... ND 500	NO	10	6	4	5	3
630 ... 1600	changeover NO/NC	16	12	8	14	6

Auxiliary contact

Use

M type

Signalisation of positions 0 and I by NO+NC or 2 NO auxiliary contacts. They can be mounted on the right side on the SIRCO MV PV. Up to 2 auxiliary contact modules can be installed.

U type

Pre-break and signalisation by NO or NC auxiliary contact.
Max 2 auxiliary contacts.

M type			
Rating (A)	Contact(s)	Contact type	Reference
63 ... 80	1 contact	NO + NC	2299 0001 ⁽¹⁾
63 ... 80	1 contact	2 NC	2299 0011 ⁽¹⁾

(1) Signalling contact only.

U type			
Rating (A)	Contact(s)	Contact type	Reference
63 ... 80	1 AC	NO	3999 0701
63 ... 80	1 AC	NC	3999 0702

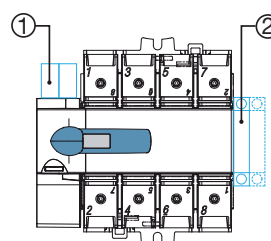


M type



U type

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M type

Auxiliary contacts configurations for SIRCO MV PV

1. Maximum 2 "U" type auxiliary contacts
2. Maximum 2 "M" type auxiliary contact modules

Terminal shrouds

Use

Top and bottom protection against direct contact with the connection parts (set of 2 units).

Advantage

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

The terminal shrouds also provide phase separation.

For SIRCO MV PV			
Rating (A)	No. of poles	Position	Reference
63 ... 80	4 P	top and bottom	2294 4016



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Bridging bars for connecting poles in series

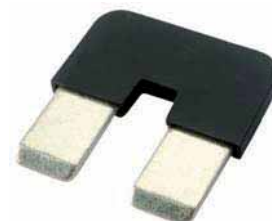
Use

The bridging bars facilitate the connection of poles in series, allowing the below configurations:

- Bottom/Bottom
- Top/Top
- Bottom /Top
- Top/Bottom

Connection diagrams, see "Pole series connection" page 131.

For SIRCO MV PV		
Rating (A)	Pack	Reference
63 ... 80	1 piece	2209 0016
63 ... 80	2 pieces	2209 2016



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Accessories (continued)

A-type auxiliary contacts

Use

Pre-break and position 0 and I signalling by 1 or 2 NO /NC auxiliary contacts. For low level use, specific auxiliary contacts: please consult us.

Connection to the control circuit

By 6.35 mm fast-on terminal.

Electrical characteristics

30 000 operations.

References

NO / NC auxiliary contacts			
Rating (A)	Frame size	Contact(s)	Reference
CD 20 ... CD 32	0	1	3999 0001
CD 20 ... CD 32	0	2	3999 0002
32 ... 400 ⁽¹⁾	1 ... 6	1	3999 0021 ⁽²⁾
32 ... 400 ⁽¹⁾	1 ... 6	2	3999 0022 ⁽²⁾

(1) Side direct operation switch only.

(2) A type auxiliary contacts cannot be mounted in conjunction with integrated solid neutral.

Characteristics

Rating (A)	Current nominal (A)	Operating current I _e (A)			
		250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
CD 20 ... 400	16	4	2	12	2



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access_047_a_2_cat

U-type auxiliary contacts⁽¹⁾

Use

Compact universal type auxiliary contacts which can be configured for operation in either, or both, ON and TEST positions for CD 20 to 1250 A FUSERBLOC. Each slot can accommodate up to two interlocked A/Cs.

Connection to the control circuit

By terminals with max. section 2 x 2.5 mm².

For FUSERBLOC CD 20 to 400 A: Pre-break and signalling of positions 0, I and TEST.

For FUSERBLOC ≥ 630 A: Pre-break and position 0 and I signalling.

References

NO auxiliary contacts			
Rating (A)	Frame size	Contact(s)	Reference ⁽¹⁾
CD 20 ... 1250	0 ... 18	1	3999 0701 ⁽²⁾

NC auxiliary contacts			
Rating (A)	Frame size	Contact(s)	Reference ⁽¹⁾
CD 20 ... 1250	0 ... 18	1	3999 0702 ⁽²⁾

(1) Cannot be mounted in direct operation CD20 - CD32 switches..

(2) 4 auxiliary contacts as standard without additional A/C holder.

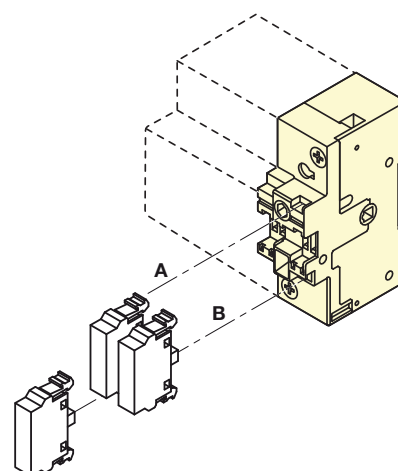
Contact holder for additional auxiliary contacts			
Rating (A)	Frame size	Contact(s)	Reference
CD 20 ... CD 32	0	4 (2 x 2 max)	3999 0710
32 ... 400	11 ... 16	4 (2 x 2 max)	3999 0600

Characteristics

Rating (A)	Operating current I _e (A)			
	250 VAC AC-15	400 VAC AC-15	24 VDC DC-13	48 VDC DC-13
CD 20 ... 1250	3	1.8	2.8	1.4



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(1) CD 20 - CD 32 : U-type auxiliary contacts cannot be mounted on switches with an integrated solid neutral or with direct operation handle.

FUSERBLOC UL

Fusible disconnect switches UL and CSA
from 30 to 800 A

Accessories (continued)

Shaft guide for external handle

Use

This accessory enables handle to engage shaft with a misalignment of up to 15 mm.
Required for a shaft length over 400 mm for S1 to S3 handles and for a shaft from 12.6 in / 320 mm for S0 handle.

Description	Reference
Shaft guide for S1 to S3 handles	1429 0000
Shaft guide for S0 handle	1419 0000



U-type auxiliary contacts

Use

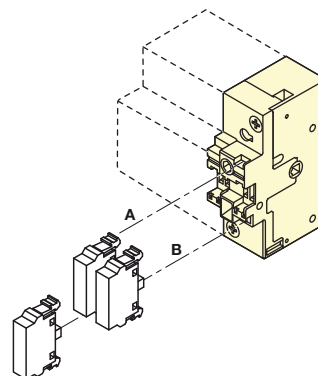
U-type AC can be configured to be operated on both, standard and TEST position switches from CD 30 to 800 A. Each slot can accommodate up to 2 interlocked ACs.

- For CD 30A/CC, a maximum of 4 ACs (8 with an additional holder):
- For CD 30A/J, maximum 2 ACs (6 with an additional holder),
- For 30 to 200A/J, maximum 4 ACs,
- For 400 to 800A/L, maximum 8 ACs.

Electrical characteristics

A600.

When FUSERBLOC is front operated, ACs are prebreak and signaling position I and 0.
When FUSERBLOC is side operated, ACs are signaling positions I and 0.



CD 30 : U-type auxiliary contacts cannot be mounted on switches with direct operation handle

NO auxiliary contacts		
Rating (A)	Number of contacts	Reference
CD 30 ... 800	1	3999 0701

NC auxiliary contacts		
Rating (A)	Number of contacts	Reference
CD 30 ... 800	1	3999 0702

Contact holder for additional auxiliary contacts		
Rating (A)	Fuses	Reference
CD 30	CC	3999 0710
CD 30	J	3999 0710

S-type auxiliary contacts

Use

Side operated auxiliary contacts for FUSERBLOC 30 to 400 A, position OFF and ON signalled by 1 to 4 NO + NC auxiliary contacts.

Electrical characteristics

A600/D600.

S-type auxiliary contacts are signaling position I and 0.

NO+NC auxiliary contacts		
Rating (A)	Number of contacts	Reference
30 ... 800	1	3999 U041
30 ... 800	2	3999 U042

