

SIRCO M

SIRCO M - from 16 to 125 A									
Rating (A) / Frame size	No. of poles	Complete switch body toggle operation	Switch body	Unswitched neutral pole	Unswitched protective earth module	Auxiliary contact	Terminal shrouds	Door mounting kit	
16 A / M1	3 P	2205 3000	2200 3000 ⁽¹⁾⁽²⁾⁽³⁾	1 P 2200 5005	1 P 2200 9005	M type 1 contact NO + NC 2299 0001	1 P 2294 1005 ⁽⁵⁾ 3 P 2294 3005 ⁽⁵⁾	3/4 P Complete protection IP2X 2299 3309 ⁽⁷⁾ Compact design 2299 3409 ⁽⁷⁾	
20 A / M1	3 P	2205 3001	2200 3001 ⁽¹⁾⁽²⁾⁽³⁾						
25 A / M1	3 P	2205 3002	2200 3002 ⁽¹⁾⁽²⁾⁽³⁾						
32 A / M1	3 P	2205 3003	2200 3003 ⁽¹⁾⁽²⁾⁽³⁾						
40 A / M1	3 P	2205 3004	2200 3004 ⁽¹⁾⁽²⁾⁽³⁾						
63 A / M2	3 P	2205 3006	2200 3006 ⁽¹⁾⁽²⁾⁽³⁾	1 P 2200 5009	1 P 2200 9009	1 contact 2 NC 2299 0011	1 P 2294 1009 ⁽⁵⁾ 3 P 2294 3009 ⁽⁵⁾	6/8 P Steel support 2299 3609 ⁽⁷⁾	
80 A / M2	3 P	2205 3008	2200 3008 ⁽¹⁾⁽²⁾⁽³⁾						
100 A / M3	3 P		2200 3010 ⁽¹⁾⁽²⁾⁽³⁾	1 P 2200 5011	1 P 2200 9011		1 P 2294 1011 ⁽⁵⁾ 3 P 2294 3016 ⁽⁵⁾	3/4 P Steel support 2299 3609 ⁽⁷⁾	
125 A / M3	3 P		2200 3011 ⁽¹⁾⁽²⁾⁽³⁾						

(1) Front and side operation.

(2) For a 6-pole device in direct operation, order 2 x 3 pole device + conversion kit (for external operation, add the shaft + the handle).

(3) For an 8-pole device in direct operation, order 2 x 3 pole device + 2 x 4th poles + conversion kit (for external operation, add the shaft + the handle).

(4) Defeatable handle.

(5) Top and bottom.

(6) Delivered with a direct handle.

(7) Delivered with a shaft.

(8) Other handles are available. Please see accessory pages.

SIRCO MV

SIRCO M - from 100 to 160 A									
Rating (A)	No. of poles	Switch body	Direct handle	Door interlocked external front and right side handle ⁽⁴⁾	External left side handle ⁽⁴⁾	Shaft for external front and side handle ⁽⁴⁾	Auxiliary signal contact	Pre-break auxiliary contact	Terminal shrouds
100 A	3 P	2200 3110	M0b type Blue 2299 5042 ⁽¹⁾ M0 type Blue 2299 5022	S0 type I-O Black IP55 1491 0111 ⁽²⁾ Black IP65 1493 0111 ⁽²⁾ Red/Yellow IP65 1494 0111 ⁽²⁾	S0 type I-O Black IP65 149A 9111 Red/Yellow IP65 149B 9111	S0 type 150 mm 1409 0615 200 mm 1409 0620 320 mm 1409 0632	M type 1 contact NO + NC 2299 0001 1 contact 2 NC 2299 0011	U type 1 contact NC 3999 0701 1 contact NO 3999 0702	3 P 2294 3016 ⁽³⁾ 4 P 2294 4016 ⁽³⁾
	4 P	2200 4110							
125 A	3 P	2200 3012							
	4 P	2200 4012							
160 A	3 P	2200 3016							
	4 P	2200 4016							

(1) Standard.

(2) Defeatable handle.

(3) Top and bottom.

(4) Other handles are available. Please see accessory pages.

Accessories (continued)

M type auxiliary contacts

Use

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

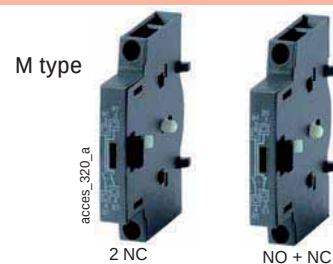
They allow to anticipate the switching of the main poles. They can be mounted on the left or on the right side of the device.

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

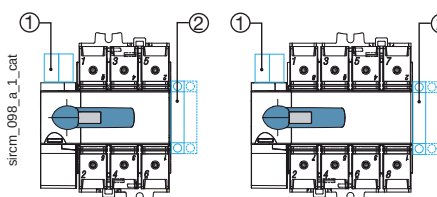
For SIRCO MV

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

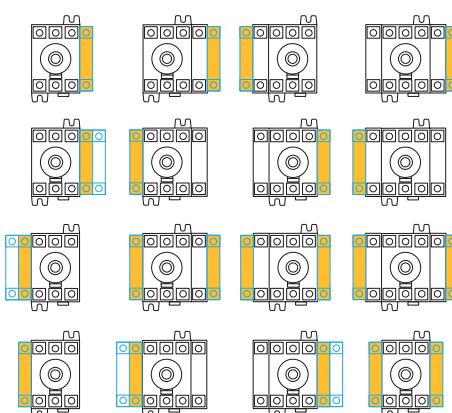
Characteristics

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

References

SIRCO MV PV 1000 VDC - DIN rail or back plate mounting

Rating (A)	Circuit type	No. of poles	Switch body	Direct handle	External front handle	Shaft for external front handle	Auxiliary contact	Bridging bar
63 A	Single PV circuit	4 P	22PV 4106	M0b type Blue 2299 5042 ⁽¹⁾ M0 type Blue 2299 5022	S0 type Black IP55 1491 0111 ⁽¹⁾⁽²⁾ Black IP65 1493 0111 ⁽²⁾ Red / Yellow IP65 1494 0111 ⁽²⁾	S0 type 150 mm 1409 0615 200 mm 1409 0620 320 mm 1409 0632	1 contact NC+NO 2299 0001 ⁽³⁾ 1 contact 2 NC 2299 0011 ⁽³⁾	2 pieces 2209 2016
80 A		4 P	22PV 4108		S1 type Black IP55 1411 2111 ⁽²⁾ Black IP65 1413 2111 ⁽²⁾ Red / Yellow IP65 1414 2111 ⁽²⁾	S1 type 200 mm 1401 0620 320 mm 1401 0632 400 mm 1401 0640	1 contact NO 3999 0701 1 contact NC 3999 0702	

(1) Standard.

(2) Defeatable handle.

(3) Signalling contact only.

Accessories

Direct operation handle

M0b type direct operation handle		
Rating (A)	Handle colour	Reference
63 ... 80	Blue	2299 5042 ⁽¹⁾

(1) Standard.

Compact M0 type direct operation handle		
Rating (A)	Handle colour	Reference
63 ... 80	Blue	2299 5022



M0b handle

access_359_a



M0 handle

access_344_a

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

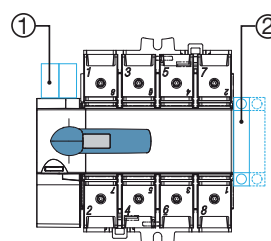


M type



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

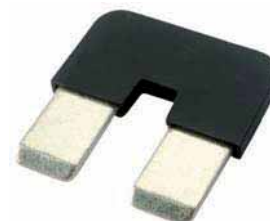
Use

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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SIRCO M UL 98

Load breaks witches standards UL and CSA
from 30 to 100 A

Accessories (continued)

Shaft guide for external handle

Use

This accessory makes shaft introduction easier with up to 15 mm misalignment.
Required for a shaft length from 12.6 in / 320 mm.

Handle type	Reference
S0	1419 0000



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Additional pole for SIRCO M

4th pole

Rating (A)	No. of poles	Type	Reference
30	1 P	switched	2201 1003
60	1 P	switched	2201 1006
100	1 P	switched	2200 1010

Use

Adding one or two additional poles transforms a Load break switch from 3 poles to 4 poles.



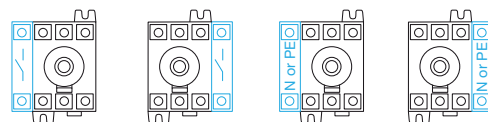
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Solid neutral pole

Rating (A)	No. of poles	Type	Reference
30 ... 100	1 P	unswitched	2200 5011 ⁽¹⁾

Use

Transforms the 3-pole switch into a 3-pole + solid neutral.



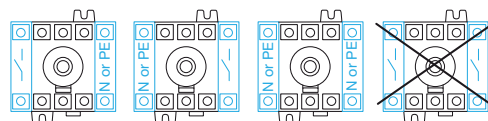
(1) Not UL.

Ground module

Rating (A)	No. of poles	Type	Reference
30 ... 100	1 P	unswitched	2200 9011 ⁽¹⁾

Use

Adds 1 ground module pole to the load break switch.



(1) Not UL.

Terminal shrouds

Use

Top and bottom additional protection against direct contact with the terminals or connection parts. 1 or 3 pole are available.

Perforation on each terminal cover enables remote thermographic inspection without dismantling.

Rating (A)	No. of poles	Position	Reference
30 ... 100	1 P	top and bottom	2294 1011
30 ... 100	3 P	top and bottom	2294 3016



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M type auxiliary contacts

Use

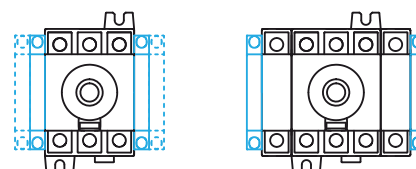
Pre-break and Signalling of positions 0 and I by NO+NC or 2 NO auxiliary contacts. They can be mounted on the left or on the right side of the switch. Max 4 auxiliary contacts (2 modules).

Characteristics
A300.

Rating (A)	No. of AC	AC type	Reference
30 ... 100	1 AC	NO + NC	2299 0001
30 ... 100	1 AC	2 NO	2299 0011



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sircm_081_a_1_x_cat

Auxiliary contacts configurations for SIRCO M