

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.

External operation handle - SIRCO M (continued)

S0 type handle

Rating (A) / Frame size	Type	No. of poles	Operation	Handle colour	External IP	Defeatable handle	Reference
100 ... 125 / M3	Switch	3/4 P	Front and side operation	Black	IP55	yes	1481 1111
	Switch	3/4 P	Front and side operation	Black	IP65	yes	1483 1111
	Switch	3/4 P	Front and side operation	Red/Yellow	IP65	yes	1484 1111
	Switch	3/4 P	Left side	Black	IP65	no	148A 5111
	Switch	3/4 P	Left side	Red/Yellow	IP65	no	148B 5111



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S01 type handle

Rating (A) / Frame size	Type	No. of poles	Operation	Handle colour	External IP	Defeatable handle	Reference
16 ... 125 / M1 ... M3	Switch	3/4 P ⁽²⁾	Front and side operation	Black	IP65	yes	1403 2111
	Switch	3/4 P ⁽²⁾	Front and side operation	Red/Yellow	IP65	yes	1404 2111
16 ... 125 / M1 ... M3	Changeover switches I - 0 - II	3/4 P	Front	Black	IP65	yes	1403 2113
	Changeover switches I - 0 - II	3/4 P	Front	Black	IP65	yes	1403 2813⁽¹⁾
	Changeover switches I - I+II - II	3/4 P	Front	Black	IP65	yes	1403 2114
	Changeover switches I - I+II - II	3/4 P	Front	Black	IP65	yes	1403 2814⁽¹⁾

(1) Padlockable in 3 positions.

(2) Can also be used with 6 and 8 pole devices from 16 to 40 A.



S0 handle

S01 handle

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External operation handle - SIRCO MV

S0 type handle

Rating (A)	Type	No. of poles	Operation	Handle colour	External IP	Defeatable handle	Reference
100 ... 160	Switch	3/4 P	Front and side operation	Black	IP55	yes	1491 0111
100 ... 160	Switch	3/4 P	Front and side operation	Black	IP65	yes	1493 0111
100 ... 160	Switch	3/4 P	Front and side operation	Red/Yellow	IP65	yes	1494 0111
100 ... 160	Switch	3/4 P	Left side	Black	IP65	no	149A 9111
100 ... 160	Switch	3/4 P	Left side	Red/Yellow	IP65	no	149B 9111



S0 handle

access_343_a

S1 type handle

Rating (A)	Type	No. of poles	Operation	Handle colour	External IP	Defeatable handle	Reference
100 ... 160	Switch	3/4 P	Front	Black	IP55	yes	1411 2111
100 ... 160	Switch	3/4 P	Front	Black	IP65	yes	1413 2111
100 ... 160	Switch	3/4 P	Front	Red/Yellow	IP65	yes	1414 2111
100 ... 160	Switch	3/4 P	Right side	Black	IP55	no	1415 2111
100 ... 160	Switch	3/4 P	Right side	Black	IP65	no	1417 2111
100 ... 160	Switch	3/4 P	Right side	Red/Yellow	IP65	no	1418 2111
100 ... 160	Switch	3/4 P	Left side	Black	IP65	no	141A 2111
100 ... 160	Switch	3/4 P	Left side	Red/Yellow	IP65	no	141B 2111



S1 Handle

access_284_a_2_cat

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

Accessories

Door interlocked external operation handle

Use

Door interlocked external operation handles include an escutcheon, are padlockable and must be utilised with an extension shaft. In a combiner box, located close to the solar cell strings, or located close to the inverter, we recommend to use a door interlocked external handle for safety.

Example

The locking function of the enclosure in the "ON" position will force the operator to safely disconnect and isolate the solar cell strings prior to any intervention.

Opening the door when the switch is on "ON" position is possible by defeating the interlocking function with the use of a tool (authorised persons only). The interlocking function is restored when the door is re-closed.



S0 type handle

acces_343_a



S1 type handle

acces_149_a_1_cat

S0 type handle - Front operation I - 0

Rating (A)	Handle type	Handle colour	External IP ⁽¹⁾	Reference
63 ... 80	S0	Black	IP55	1491 0111 ⁽²⁾
63 ... 80	S0	Black	IP65	1493 0111 ⁽²⁾
63 ... 80	S0	Red/Yellow	IP65	1494 0111 ⁽²⁾

S1 type handle - Front operation I - 0

Rating (A)	Handle type	Handle colour	External IP ⁽¹⁾	Reference
63 ... 80	S1	Black	IP55	1411 2111 ⁽²⁾
63 ... 80	S1	Black	IP65	1413 2111 ⁽²⁾
63 ... 80	S1	Red/Yellow	IP65	1414 2111 ⁽²⁾

(1) IP: protection degree according to IEC 60529 standard.

(2) Defeatable handle.

Shaft for external handle

Use

Standard lengths:

- 150 mm
- 200 mm
- 320 mm
- 400 mm

Other lengths: please consult us.



Shaft for S0 type handle for SIRCO MV PV 63 ... 80 A

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Shaft for S1 type handle for SIRCO MV PV 63 ... 80 A

acces_369_a_1_cat

For SIRCO MV PV

Rating (A)	Handle type	Length (mm)	Reference
63 ... 80	S0	150 mm	1409 0615
63 ... 80	S0	200 mm	1409 0620
63 ... 80	S0	320 mm	1409 0632
63 ... 80	S1	200 mm	1401 0620
63 ... 80	S1	320 mm	1401 0632
63 ... 80	S1	400 mm	1401 0640

FUSERBLOC UL

Fusible disconnect switches UL and CSA
from 30 to 800 A

Accessories

Direct handle

Rating (A)	Color	Fuses	Fig.	Reference
CD 30	Black	CC	1	3729 4012
CD 30	Black	J	1	3729 4014
30 ... 400	Black	J	2	3629 7910
600 ... 800	Black	J / L	2	3859 6011



Fig.1

Fig. 2

External handle

Use

The locking function of the front external handle prevents the user from opening the door of the enclosure when the switch is in the "ON" position, and when the switch is padlocked in the "OFF" position (S1, S2, S3 and S4 type handles only).

Opening the door when the switch is in the "ON" position is possible by defeating the interlocking function with the use of a tool (authorised persons only).

The interlocking function is restored when the door is re-closed.

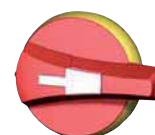
Front operation

Rating (A)	Frame size	Handle type	Nema type	Test	Handle color	Standard Reference	Heavy duty Reference
CD 30	1	S0	1, 3R, 12	I - 0	Black	1493 0111	
CD 30	1	S0	1, 3R, 12	I - 0	Red/Yellow	1494 0111	
CD 30	1	S0	4, 4X	I - 0	Black	149D 0111	
CD 30	1	S0	4, 4X	I - 0	Red/Yellow	149E 0111	
CD 30 ... 60	3/4	S1	1, 3R, 12	I - 0	Black	141F 2111	
CD 30 ... 60	3/4	S1	1, 3R, 12	I - 0	Red/Yellow	141G 2111	
CD 30 ... 60	3/4	S1	4, 4X	I - 0	Black	141D 2111	141D 2911
CD 30 ... 60	3/4	S1	4, 4X	I - 0	Red/Yellow	141E 2111	141E 2911
CD 30 ... 60	3/4	S1	4, 4X	I - 0 - Test	Black	141D 2115	
CD 30 ... 60	3/4	S1	4, 4X	I - 0 - Test	Red/Yellow	141E 2115	
60 ... 200 ⁽¹⁾	5 ... 7	S2	4, 4X	I - 0 - Test	Black	142D 2115	
60 ... 200 ⁽¹⁾	5 ... 7	S2	4, 4X	I - 0 - Test	Red/Yellow	142E 2115	
60 ... 400	5 ... 7	S2	1, 3R, 12	I - 0	Black	142F 2111	
60 ... 400	5 ... 7	S2	1, 3R, 12	I - 0	Red/Yellow	142G 2111	
60 ... 400	5 ... 7	S2	4, 4X	I - 0	Black	142D 2111	142D 2911
60 ... 400	5 ... 7	S2	4, 4X	I - 0	Red/Yellow	142E 2111	142E 2911
600 ... 800	8	S3	1, 3R, 12	I - 0	Black	143F 3111	
600 ... 800	8	S3	1, 3R, 12	I - 0	Red/Yellow	143G 3111	
600 ... 800	8	S3	4, 4X	I - 0	Black	143D 3111	143D 3911
600 ... 800	8	S3	4, 4X	I - 0	Red/Yellow	143E 3111	143E 3911

(1) No test position on 400 A.

Right side operation

Rating (A)	Frame size	Handle type	Nema type	Test	Handle color	Standard Reference	Heavy duty Reference
30 ... 60	3/4	S1	4, 4X	I - 0	Black	141H 6111	141H 6911
30 ... 60	3/4	S1	4, 4X	I - 0	Red/Yellow	141I 6111	141I 6911
100 ... 400	5 ... 7	S2	4, 4X	I - 0	Black	142H 6111	142H 6911
100 ... 400	5 ... 7	S2	4, 4X	I - 0	Red/Yellow	142I 6111	142I 6911
600 ... 800	8	S3	4, 4X	I - 0	Black	consult us	consult us
600 ... 800	8	S3	4, 4X	I - 0	Red/Yellow	consult us	consult us



S0-type handle



S-type handle



S2-type handle



S3-type handle