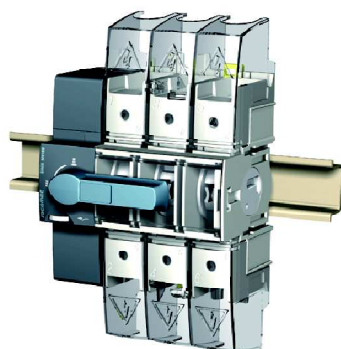


Non fusible disconnect switches

SIRCO

30 to 1200A



Functions

The **SIRCO UL98** range ensures making or breaking on load and safety isolation for low voltage electrical circuits, particular for machine control circuit up to 600 V.

Conformity to standards

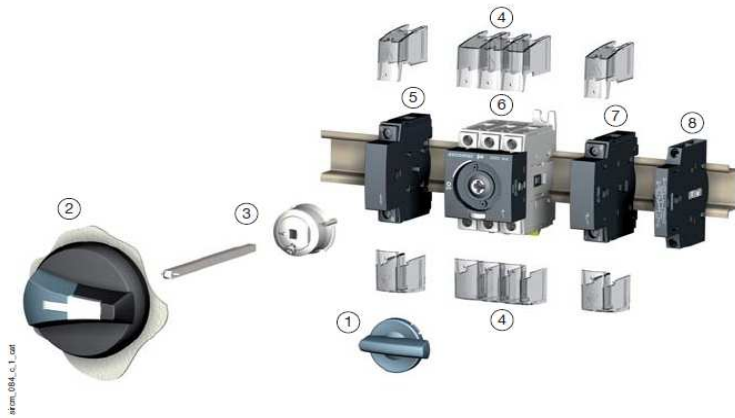
- UL 98
- CSA 22.2 #4
- IEC 60947-3
- NF EN 60947-3

General characteristics

- rating 3 pole from 30 to 100 A
- Back plate or door mounted
- direct or external operation handle (padlockable in ON position)
- double breaking per phase
- fully visible breaking



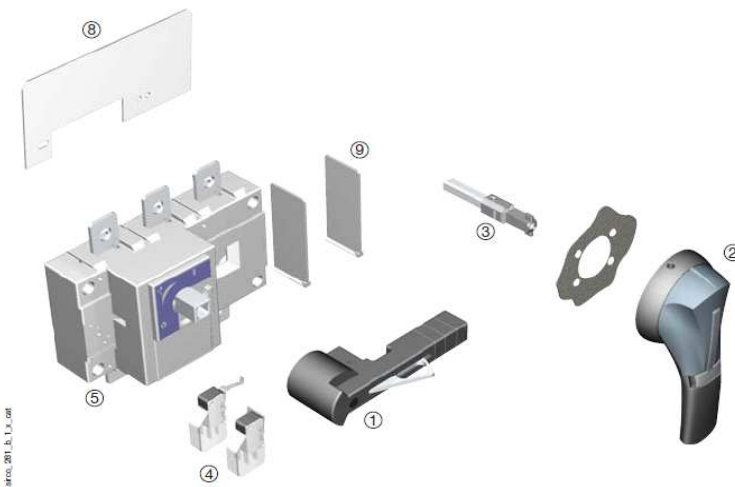
SIRCO M



Overview (for further details, please see the installation instructions supplied with each device)

1. Direct handle.
2. Door interlocked external handle.
3. Shaft extension.
4. Terminal shrouds.
5. Unswitched neutral pole.
6. Switch body.
7. Switched fourth pole module.
8. M type auxiliary contacts.

SIRCO



Overview (for further details, please see the installation instructions supplied with each device).

1. Direct front handle.
2. Door interlocked external handle.
3. Shaft extension.
4. IP2 Auxiliary contacts.
5. Switch body only.
8. Shrouded distribution block.
9. Inter phase barrier.

Non fusible disconnect switches

SIRCO

30 to 1200A

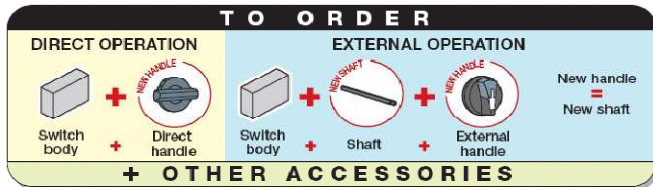
[Functions](#)
[References](#)
[Accessories](#)
[Characteristics](#)
[Dimensions](#)

References

► Sirco M



Rating (A)	No. of pole	Part no.	Direct handle	Front & right External handle S0	Shaft For S0	External handle S1	Front Shaft for S1	Switched fourth pole	Unswitched pole	Auxiliary contacts	Terminal shrouds
30 A	3 P	2201 3003		S0 black 3R, 12 1483 1111	150 mm 5.9 in 1407 0515			2201 1003			1 P 2294 1011
60 A	3 P	2201 3006	Blue 2299 5032	S0 red 3R, 12 1484 1111	200 mm 7.9 in 1407 0520	—	—	2201 1006	Neutral 2200 5011	M type 1 NO + 1 NC 2299 0001 2 NO 2299 0011	3 P 2294 3016
100 A	3 P	2200 3010		S0 black 4, 4X 148D 1111	320 mm 12.6 in 1407 0532			2200 1010	Earthing 2200 9011		



Load break switches
SIRCO



Rating (A)	No. Of pole	Switch body only	Direct handle	Door interlocked external handle	Shaft extensions for external handle	Auxiliary contact	Terminal screen	Terminal lugs	
100 A	3 P	2700 3011	2699 5052	Black 1,3R,12 defeatable Pistol (S2) 142F 2111	200mm 7.9in 1400 1020	1x NO/NC 2799 0021	3P 2794 3021 2794 8021	3P 3954 3020	
	4 P	2700 4011					4P 2794 4021	4P 3954 4020	
200 A	3 P	2700 3021			Black 4,4X defeatable Pistol (S2) 142D 2111	320mm 12.6in 1400 1032	2x NO/NC 2799 0022	4P 2794 4021	4P 3954 4020
	4 P	2700 4021							
400 A	3 P	2700 3041		3799 6012	Black 4,4X defeatable Pistol (S3) 143D 3111	400mm 15.7in 1400 1040	1x NO/NC Low level 2799 0121	3P 2794 3041 2794 8041	3P 3954 3040
	4 P	2700 4041						4P 2794 4041	4P 3954 4040
600 A	3 P	2700 3060			Red 4,4X defeatable Pistol (S3) 143E 3111	200mm 7.9in 1401 1520	1x NO/NC Low level 2799 0121	3P 2798 3060 4P 2798 4060	3P 3954 3060
	4 P	2700 4060							4P 3954 4060
800 A	3 P	2700 3080			3799 6012	320mm 12.6in 1401 1532	1x NO/NC Low level 2799 0121	3P 2798 3120 4P 2798 4120	3P 3954 3120
	4 P	2700 4080							4P 3954 4120
1000 A	3 P	2700 3100	3799 6012		400mm 15.7in 1401 1540	1x NO/NC Low level 2799 0121	3P 2798 3120 4P 2798 4120	3P 3954 3120	
	4 P	2700 4100						4P 3954 4120	
1200 A	3 P	2700 3120	3799 6012		400mm 15.7in 1401 1540	1x NO/NC Low level 2799 0121	3P 2798 3120 4P 2798 4120	3P 3954 3120	
	4 P	2700 4120						4P 3954 4120	

Non fusible disconnect switches

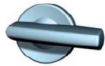
SIRCO

30 to 1200A

[Functions](#)
[References](#)
[Accessories](#)
[Characteristics](#)
[Dimensions](#)

Accessories

Direct handle



M01 handle



B handle



H handle

References

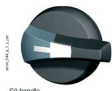
For SIRCO M

Rating (A)	Handle colour	Handle	References
100 ... 125	Blue	M01-type	2299 5032

For SIRCO

Rating (A)	Handle colour	Handle	Reference
200 ... 400	Black	B-type	2699 5052
600 ... 1200	Black	H-type	3799 6012

Door interlocked external handle



S0 handle



S1 type handle



S2 type handle



S3 type handle



S4-type handle



For SIRCO M3 - Front and right side operation

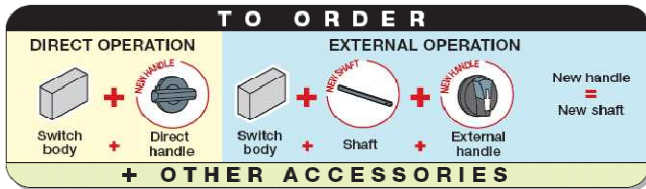
Rating (A)	Handle type	Handle colour	Nema type	Defeatable	Standard references	Heavy duty references
30 ... 100	S0	Black	1,3R,12	yes	1483 1111	-
30 ... 100	S0	Black	4, 4X	yes	148D 1111	-
30 ... 100	S0	Red/Yellow	1,3R,12	yes	148A 1111	-
30 ... 100	S0	Red/Yellow	4, 4X	yes	148E 1111	-

For Sirco - Front operation

Rating (A)	Handle type	Handle colour	Nema type	Defeatable	Standard references	Heavy duty references
200 ... 400	S2	Black	1,3R,12	yes	142F 2111	-
200 ... 400	S2	Red/Yellow	1,3R,12	yes	142G 2111	-
200 ... 400	S2	Black	4, 4X	yes	142D 2111	142D 2911
200 ... 400	S2	Red/Yellow	4, 4X	yes	142E 2111	142E 2911
600 ... 1200	S3	Black	4, 4X	yes	143D 3111	143D 3911
600 ... 1200	S3	Red/Yellow	4, 4X	yes	143E 3111	143E 3911
600 ... 1200	S4	Black	4, 4X	yes	144D 3111	144D 3911
600 ... 1200	S4	Red/Yellow	4, 4X	yes	144E 3111	144E 3911

Use

The door interlocked external handle include one lockable handle, one escutcheon and most be associated with a shaft extension.



Load break switches
SIRCO



Accessories

Shaft extensions for external handle



Use
Standard length:
- 150mm
- 200mm
- 320mm
- 400mm
Other lengths, please consult us

For SIRCO *M3*

Rating (A)	Handle	Shaft length (mm/in)	references
30 ... 100	S0	150	1407 0515
30 ... 100	S0	200	1407 0520
30 ... 100	S0	320	1407 0532

For SIRCO

Rating (A)	Handle	Shaft length (mm/in)	references
100 ... 400	S2	200	1400 1020
100 ... 400	S2	320	1400 1032
100 ... 400	S2	400	1400 1040
600 ... 1200	S3	200	1401 1520
600 ... 1200	S3	320	1401 1532
600 ... 1200	S3	400	1401 1540

Additional poles SIRCO *M*



Use
Adds one or two pole.

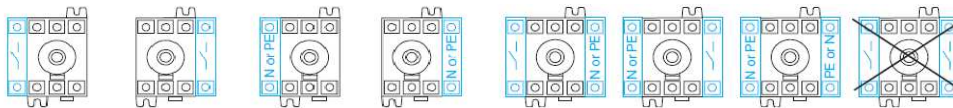
Can transform a 3 pole switch into a 4 pole switch with an unswitched neutral pole

For SIRCO *M3*

Rating (A)	No. Of pole	Type	references
30	1	4th switched power pole	2201 1003
60	1	4th switched power pole	2201 1006
100	1	4th switched power pole	2200 1010
30 ... 100	1	Unswitched neutral pole	2200 5011
30 ... 100	1	Unswitched ground pole	2200 9011

Additional poles configurations

SIRCO *M*



Guide cone



Use
The guide cone makes it possible for S00 and S0 handles to accept a shaft with up to 10 mm of vertical play.

References

Rating (A)	Handle	Reference
16 ... 160	S00 and S0-type	1419 0000 ⁽¹⁾

(1) 10 units per pack.

Non fusible disconnect switches

SIRCO

30 to 1200A

Functions
References
 Accessories
 Characteristics
 Dimensions

Accessories

Auxiliary contacts



M type

Use
 Prebreak and/or signaling of position 0 and I

Characteristics
 M type : A300
 U type : A600
 C type : A300

For SIRCO **M3**

Rating (A)	Type	Contacts	references
30 ... 100	M type	1NO + 1NC	2299 0001
30 ... 100	M type	2NO	2299 0011



U type



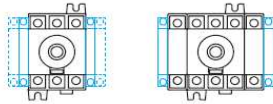
C type

For SIRCO

Rating (A)	Type	Contacts	references
100 ... 400	C Type std level	1st NO/NC	2799 0021
100 ... 400	C Type std level	2nd NO/NC	2799 0022
100 ... 400	C Type low level	1st NO/NC	2799 0121
100 ... 400	C Type low level	2nd NO/NC	2799 0122
600 ... 1200			Please consult us
600 ... 1200			Please consult us

SIRCO M

#sirco_081_L_L1_081



Terminal shrouds



#sirco_073_L_L1_073

Use
 Top and bottom protection against direct contacts with terminals or connection parts.

For SIRCO **M3**

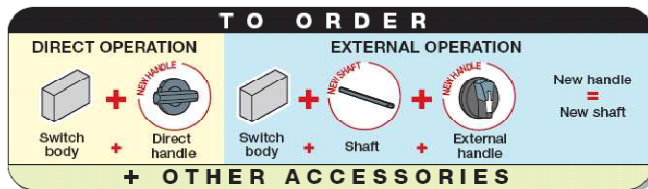
Rating (A)	No. Of pole	Position	references
30 ... 100	1	top and bottom	2294 1011
30 ... 100	3	top and bottom	2294 3016



#sirco_082_L_L1_082

For SIRCO

Rating (A)	No. Of pole	Position	references
100 ... 200	3	top	2794 3021
100 ... 200	3	bottom	2794 8021
100 ... 200	4	top or bottom	2794 4021
400	3	top	2794 3041
400	3	bottom	2794 8041
400	4	top or bottom	2794 4041
600	3	top or bottom	2798 3060
600	4	top or bottom	2798 4060
800 ... 1200	3	top or bottom	2798 3120
800 ... 1200	4	top or bottom	2798 3120



Load break switches
SIRCO



Accessories

Top and bottom terminal cages



Use
Connection of bare copper cables on to the terminals (no spade lugs).

References
For SIRCO

Rating (A)	No of lugs	No cable	Connection type	Cable type	References
200	3	1	#6 - 300MCM	Cu / Al	3954 3020
200	4	1	#6 - 300MCM	Cu / Al	3954 4020
400	3	2	#6 - 350MCM	Cu / Al	3954 3041
400	4	2	#6 - 350MCM	Cu / Al	3954 4041
400	3	1	#2 - 600MCM	Cu / Al	3954 3040
400	4	1	#2 - 600MCM	Cu / Al	3954 4040
600	3	2	2x(#2 - 600MCM)	Cu / Al	3954 3060
600	4	2	2x(#2 - 600MCM)	Cu / Al	3954 4060
800 ... 1200	6	4	4x(#2 - 600MCM)	Cu / Al	3954 3120
800 ... 1200	8	4	4x(#2 - 600MCM)	Cu / Al	3954 4120

Cap for side operation mounting



Use
Accessory for capping the front face of the **SIRCO M** when utilising in side operation. 20 units per pack. This piece can be snapped on the switch body directly.

Reference
For SIRCO M

Rating (A)	Pack qty	Reference
16 ... 80	20	2299 9409

6/8 pole joining accessory



Use
40 units per pack, they allow the joining of two 3 pole switches (+ additional pole) in order to form a 6 or 8 pole switch for external side operation.

Reference
For SIRCO M

Rating (A)	Pack qty	Reference
16 ... 80	40	2299 9909

For multi-poles switches, please consult us.

Non fusible disconnect switches

SIRCO

30 to 1200A

UL and CSA characteristics

UL98 / CSA22.2 #4

		SIRCO M3		
Technical characteristics		30A	60A	100A
Short circuit rating at 480 VAC (kA)		100kA	100kA	100kA
Short circuit rating at 600 VAC (kA)		100kA	100kA	25kA
Fuse type		J	J	J
Max. fuse rating (A)		30	60	100
Max. horsepower rating / Max. motor FLA 3 ph				
220-240 VAC		10 / 28	20 / 54	20 / 54
440-480 VAC		20 / 27	40 / 52	50 / 65
600 VAC		30 / 32	50 / 52	50 / 52
Max. horsepower rating / Max. motor FLA single phase				
120 VAC		2 / 24	3 / 34	5 / 56
240 VAC		5 / 28	10 / 50	10 / 50
Max. horsepower rating / Max. motor FLA direct current				
125 VDC	2 pole in series	-	-	-
250 VDC	3 pole in series	-	-	-
Connection				
Solid 1 wire		#12 - #10	#12 - #10	#12 - #10
Stranded 1 wire		#12 - 2/0	#12 - 2/0	#12 - 2/0
Auxiliary contacts				
Electrical characteristic		A300	A300	A300

		SIRCO						
Technical characteristics		100A	200A	400A	600A	800A	1000A	1200A
Short circuit rating at 600 VAC (kA)		100kA	100kA	100kA	200kA	200kA	200kA	200kA
Fuse type		J	J	J	J	L	L	L
Max. fuse rating (A)		100	200	400	600	800	1000	1200
Max. horsepower rating / Max. motor FLA 3 ph								
220-240 VAC		30 / 80	60 / 154	125 / 312	200 / 480	200 / 480	200 / 480	200 / 480
440-480 VAC		60 / 77	125 / 156	250 / 302	400 / 477	500 / 590	500 / 590	500 / 590
600 VAC		75 / 77	150 / 144	350 / 336	350 / 336	500 / 472	500 / 472	500 / 472
Max. horsepower rating / Max. motor FLA direct current								
125 VDC	2 pole in series	7.5 / 58	15 / 112	20 / 148	20 / 148	-	-	-
250 VDC	3 pole in series	20 / 72	40 / 140	50 / 173	50 / 173	-	-	-
Connection								
Min. conn. Section / AWG		#6	#6	#2	2 x #2	2 x #2	4 x #2	4 x #2
Max. conn. Section / AWG		300 kcmil	300 kcmil	600 kcmil	2 x 600 kcmil	2 x 600 kcmil	4 x 600 kcmil	4 x 600 kcmil
Auxiliary contacts								
Electrical characteristic		A300	A300	A300				

Load break switches
SIRCO



Non fusible disconnect switches

SIRCO

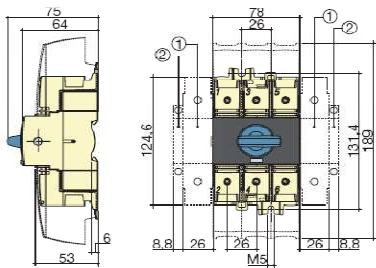
30 to 1200A

Dimensions

► **SIRCO M UL98**

- 30 to 100A

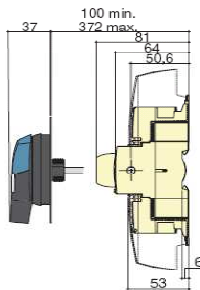
Direct operation



#mem_006_b_L1_004

1. 1 switched fourth pole module (1 per device max.) or 1 unswitched neutral pole or 1 protective earth module or 1 auxiliary contact
 2. 1 auxiliary contact only
Note: Max 4 additional blocks

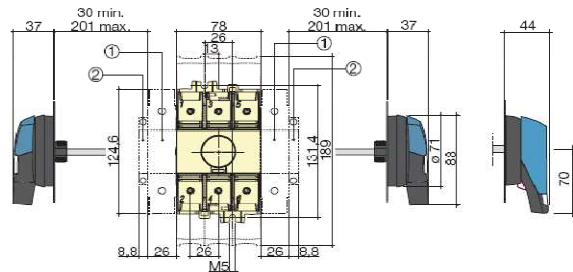
External front operation



#mem_006_d_L1_004

1. 1 switched fourth pole module (1 per device max.) or 1 unswitched neutral pole or 1 protective earth module or 1 auxiliary contact
 2. 1 auxiliary contact only
Note: Max 4 additional blocks

External side operation



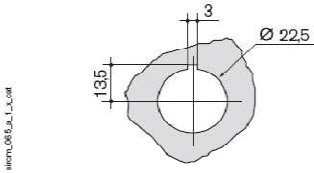
1. 1 switched fourth pole module (1 per device max.) or 1 unswitched neutral pole or 1 protective earth module or 1 auxiliary contact
 2. 1 auxiliary contact only
Note: Max 4 additional blocks



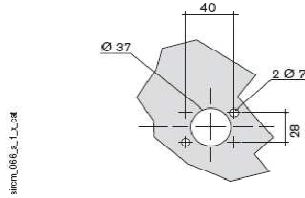
Dimensions

▶ Door drilling - S00 / S0

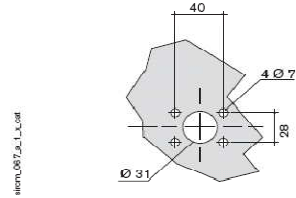
With fixing nut



IP55 - with 2 fixing clips

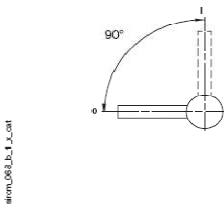


IP65 - with 4 fixing screws

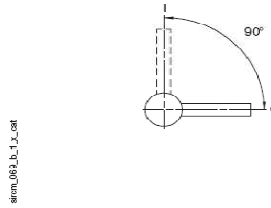


▶ Operating handle - S00 / S0

Front and side operation



Left side operation



Front operation for **SIRCOVER M** changeover switches I-0-II or I-I-II-II

