

SIRCO

Load break switches for power distribution
from 125 to 5000 A

new



sirco_273_a_1_cat

SIRCO AC 3 x 250 A
direct handle



sirco_456_a_1

***SIRCO** 3 x 250 A*
direct handle

The solution for

- Main switchboard.
- Distribution panel.
- Emergency breaking.
- Network coupling.
- Local safety breaking.



Strong points

- Reliability and performance.
- Safety of property and personnel.
- Simplicity.
- Easy to install.

Enclosures

- The SIRCO and SIRCO AC range can be easily fitted in our enclosures and cabinets designed for electrical distribution.



Function

SIRCO and **SIRCO AC** are manually operated multipolar load break switches.
They make and break under load conditions and provide safety isolation.
SIRCO are designed for 415 VAC and DC low voltage electrical circuits.
SIRCO AC are designed for heavy duty applications up to 690 VAC - AC 23.

General characteristics

- Double positive break indication given through a position indication window, located directly on the product, and by the operating handle.
- Severe utilisation categories (AC-22 and AC-23).
- High resistance to damp heat (supplied "tropicalised").

Advantages

Reliability and performance

The SIRCO's double breaking per pole, achieved through its sliding bar contact system, is a proven design that offers very high durability and short-circuit withstand.
The quick opening and rapid closure of the SIRCO's contacts, combined with specifically designed arcing chambers, provides the SIRCO AC with improved breaking performance.

Safety of property and personnel

The position indicator is located directly on the sliding bar contact mechanism, ensuring it can be seen in all circumstances.
The use of glass fibre reinforced polyester gives the SIRCO and SIRCO AC both high mechanical and thermal resistance.

Simplicity

The standardisation of the SIRCO and SIRCO AC range enables a cost reduction in stock management and storage thanks to their shared accessories.

Easy to install

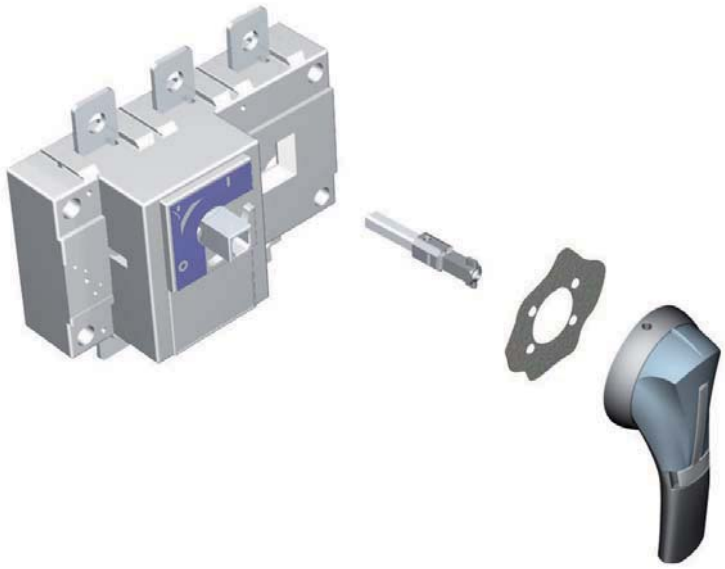
Easy installation is facilitated thanks to:

- A good centre-to-centre distance (up to 120 mm).
- Connection up to 6x185 mm^2.
- Connection accessories which facilitate connection, both flat and edgewise connections.

socomec
Innovative Power Solutions

What you need to know

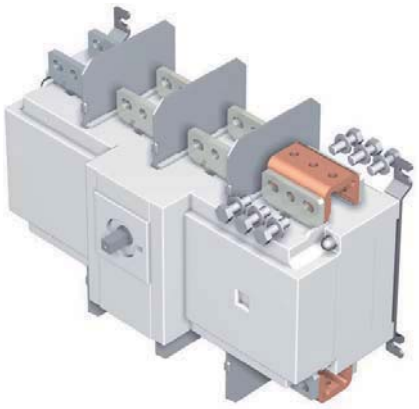
- In front **direct** or **external** operation, SIRCO is available in 3 and 4 pole versions from 125 to 5000 A.
- It can be ordered in 6 or 8 pole versions from 125 to 1600 A.
- The switch is available in a polyester or sheet metal enclosure from 125 to 1250 A.



sirco_372_b_1_cat

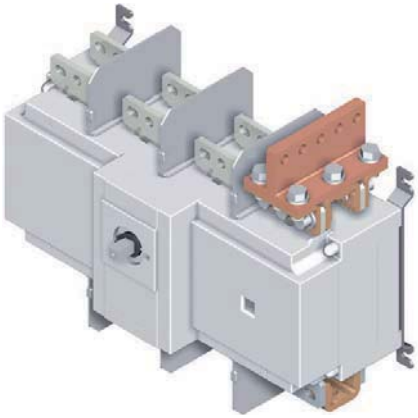
For ratings 2000, 2500 and 3200A, a **copper bar connection kit** enables the connection between the two power terminals of one pole.

Flat connection
Top or bottom



acces_220_c_2_cat

Edgewise connection
Top or bottom



acces_223_b_2_cat

SIRCO - References

Front operation - 3 & 4 pole

Rating (A)	No. of poles	Switch body only[1]	Direct handle	External handle	Shaft for external handle	Auxiliary contact	Terminal shrouds	Terminal screens
125 A	3 P	2600 **3014**	B1 type Black 2699 **5042**[2] Red 2699 **5043**	S2 type Black IP55 1421 **2111**[2] Black IP65 1423 **2111** Red IP65 1424 **2111**	200 mm 1400 **1020** 320 mm 1400 **1032**[2] 500 mm 1400 **1050**	1st contact NO/NC 2699 **0031** 2nd contact NO/NC 2699 **0032**	3 P 2694 **3014**[3] 4 P 2694 **4014**[3]	3 P 2698 **3012**[3] 4 P 2698 **4012**[3]
	4 P	2600 **4014**						
160 A	3 P	2600 **3017**						
	4 P	2600 **4017**						
200 A	3 P	2600 **3021**	B2 type Black 2699 **5052**[2] Red 2699 **5053**				3 P 2694 **3021**[3] 4 P 2694 **4021**[3]	3 P 2698 **3020**[3] 4 P 2698 **4020**[3]
	4 P	2600 **4021**						
250 A	3 P	2600 **3026**						
	4 P	2600 **4026**						
315 A	3 P	2600 **3032**					3 P 2694 **3051**[3] 4 P 2694 **4051**[3]	3 P 2698 **3050**[3] 4 P 2698 **4050**[3]
	4 P	2600 **4032**						
400 A	3 P	2600 **3041**						
	4 P	2600 **4041**						
500 A	3 P	2600 **3051**						
	4 P	2600 **4051**						
630 A	3 P	2600 **3064**						
	4 P	2600 **4064**						
800 A	3 P	2600 **3081**	C2 type Black 2799 **7012**[2] Red 2799 **7013**	S4 type Black IP65 1443 **3111**[2] Red IP65 1444 **3111**	200 mm 1401 **1520** 320 mm 1401 **1532**[2] 400 mm 1401 **1540**			3 P 2698 **3080**[3] 4 P 2698 **4080**[3]
	4 P	2600 **4081**						
1000 A	3 P	2600 **3099**						
	4 P	2600 **4099**						
CD 1250 A	3 P	2600 **3119**						
	4 P	2600 **4119**						
1250 A	3 P	2600 **3121**						3 P 2698 **3120**[3] 4 P 2698 **4120**[3]
	4 P	2600 **4121**						
1600 A	3 P	2600 **3161**						
	4 P	2600 **4161**						
1800 A	3 P	2600 **3181**						
	4 P	2600 **4181**						
2000 A	3 P	2600 **3200**		V2 type Black IP65 2799 **7136**[2] Red IP65 2799 **7134**	200 mm 2799 **3015** 320 mm 2799 **3018**[2] 450 mm 2799 **3019**			3 P 2698 **3200**[3] 4 P 2698 **4200**[3]
	4 P	2600 **4200**						
2500 A	3 P	2600 **3250**						
	4 P	2600 **4250**						
3200 A	3 P	2600 **3320**						
	4 P	2600 **4320**						
4000 A	3 P	2600 **3401**	V0 type Black 2799 **7072**[2]	V0 type Black IP65 2799 **7155**[2]		1st/2nd contact NO/NC included		
	4 P	2600 **4401**						
5000 A	3 P	2600 **3500**						
	4 P	2600 **4500**						

(1) Device available enclosed (see "Enclosed load break switches" page 600).
(2) Standard.
(3) Top or bottom.

SIRCO AC - References

Heavy duty applications - Front operation 3 & 4 pole

Rating (A)	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Auxiliary contact	Terminal shrouds	Terminal screens
200 A	3 P	26AC **3020**	J1 type Black 1112 **1111**(1) J1 type Red 1113 **1111**	S2 type Black IP55 1421 **2111**(1) Black IP65 1423 **2111** Red IP65 1424 **2111**	200 mm 1400 **1020** 320 mm 1400 **1032**(1) 500 mm 1400 **1050**	1st contact NO/NC 2699 **0031** 2nd contact NO/NC 2699 **0032**	3P 2694 **3021**(2)(3) 4 P 2694 **4021**(2)(3)	3P 2698 **3020**(3) 4 P 2698 **4020**(3)
	4 P	26AC **4020**						
250 A	3 P	26AC **3025**						
	4 P	26AC **4025**						
315 A	3 P	26AC **3031**						
	4 P	26AC **4031**						
400 A	3 P	26AC **3040**					3P 2694 **3051**(2)(3) 4 P 2694 **4051**(2)(3)	3P 2698 **3050**(3) 4 P 2698 **4050**(3)
	4 P	26AC **4040**						
500 A	3 P	26AC **3050**						
	4 P	26AC **4050**						
CD 630 A	3 P	26AC **3063**						
	4 P	26AC **4063**						
630 A	3 P	26AC **3064**	J4 type Black 1142 **1111**(1) Red 1143 **1111**	S4 type Black IP65 1443 **3111**(1) Red IP65 1444 **3111**	200 mm 1401 **1520** 320 mm 1401 **1532**(1) 400 mm 1401 **1540**			3 P 2698 **3080**(2)(3) 4 P 2698 **4080**(2)(3)
	4 P	26AC **4064**						
800 A	3 P	26AC **3080**						
	4 P	26AC **4080**						
1000 A	3 P	26AC **3100**						
	4 P	26AC **4100**						
CD 1250 A	3 P	26AC **3120**						
	4 P	26AC **4120**						
1250 A	3 P	26AC **3121**						3 P 2698 **3120**(2)(3) 4 P 2698 **4120**(2)(3)
	4 P	26AC **4121**						
1600 A	3 P	26AC **3160**						
	4 P	26AC **4160**						
2000 A	3 P	26AC **3200**	S5 type Black 2799 **7042**(1) Red 2799 **7043**	S5 type Black IP65 1453 **8111**(1) Red IP65 1454 **8111**	200 mm 2799 **3015** 320 mm 2799 **3018**(1) 450 mm 2799 **3019**			3 P 2698 **3200**(2)(3) 4 P 2698 **4200**(2)(3)
	4 P	26AC **4200**						
4000 A	3 P	26AC **3400**	V0 type Black 2799 **7072**(1)	V0 type Black 2799 **7155**(1)		1st / 2nd included		3/4P 1509 **4200**(4)
	4 P	26AC **4400**						

(1) Standard.
(2) Mandatory for voltage greater than 415 VAC.
(3) Top or bottom.
(4) Top and bottom.

SIRCO - References

Standard applications - Front operation - 6 & 8 pole

Rating (A)	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Auxiliary contact	Terminal shrouds	Terminal screens
125 A	6 P	2601 **6013**	B3 type Black 4199 **5012**(1)	S2 Type Black IP55 1421 **2111**(1) Red IP65 1424 **2111**	200 mm 1400 **1020** 320 mm 1400 **1032**(1)	1st contact NO/NC 2699 **0061** 2nd contact NO/NC 2699 **0062**	6 P 2694 **3014**(2)(3) 8 P 2694 **4014**(2)(3)	6 P 1509 **3012**(4) 8 P 1509 **4012**(4)
	8 P	2601 **8013**						
160 A	6 P	2601 **6016**						
	8 P	2601 **8016**						
250 A	6 P	2601 **6025**	C1 type Black 2799 **7052**(1) Red 2799 **7053**	S4 type Black IP65 1443 **3111**(1) Red IP65 1444 **3111**	200 mm 1401 **1520** 320 mm 1401 **1532**(1)		6 P 2694 **3021**(2)(3) 8 P 2694 **4021**(2)(3)	6 P 1509 **3025**(4) 8 P 1509 **4025**(4)
	8 P	2601 **8025**						
400 A	6 P	2601 **6040**					6 P 2694 **3051**(2)(3) 8 P 2694 **4051**(2)(3)	6 P 1509 **3063**(4) 8 P 1509 **4063**(4)
	8 P	2601 **8040**						
630 A	6 P	2601 **6063**						
	8 P	2601 **8063**						
800 A	6 P	2601 **6080**	C1 type Black 2799 **7012**(1) Red 2799 **7013**	V1 type Black IP65 2799 **7145**(1)	320 mm 2799 **3018**(1)			6 P 1509 **3080**(4) 8 P 1509 **4080**(4)
	8 P	2601 **8080**						
1000 A	6 P	2601 **6100**						
	8 P	2601 **8100**						
1250 A	6 P	2601 **6120**						
	8 P	2601 **8120**						
1600 A	6 P	2601 **6160**						6 P 1509 **3160**(4) 8 P 1509 **4160**(4)
	8 P	2601 **8160**						

(1) Standard.
(2) Upstream or downstream at the front or rear of the device.
(3) Select 2 sets for front or rear.
(4) Upstream or downstream at the front of the device.

Accessories

Direct operation handle

SIRCO direct operation handle

Rating (A)	No. of poles	Handle	Handle colour	Reference
125 … 160	3/4 P	B1 type	Black	2699 **5042**(1)
125 … 160	3/4 P	B1 type	Red	2699 **5043**
125 … 160	6/8 P	B3 type	Black	4199 **5012**(1)
200 … 630	3/4 P	B2 type	Black	2699 **5052**(1)
200 … 630	3/4 P	B2 type	Red	2699 **5053**
250 … 630	6/8 P	C1 type	Black	2799 **7052**(1)
250 … 630	6/8 P	C1 type	Red	2799 **7053**
800 … 3200	3/4 P	C2 type	Black	2799 **7012**(1)
800 … 3200	3/4 P	C2 type	Red	2799 **7013**
800 … 1600	6/8 P	C2 type	Black	2799 **7012**(1)
800 … 1600	6/8 P	C2 type	Red	2799 **7013**
4000 … 5000	3/4 P	V0 type	Black	2799 **7072**(1)

(1) Standard.

SIRCO AC direct operation handle

Rating (A)	No. of poles	Handle	Handle colour	Reference
200 … CD 630	3/4 P	J1 type	Black	1112 **1111**(1)
200 … CD 630	3/4 P	J1 type	Red	1113 **1111**
630 … 1600	3/4 P	J4 type	Black	1142 **1111**(1)
630 … 1600	3/4 P	J4 type	Red	1143 **1111**
2000	3/4 P	S5 type	Black	2799 **7042**(1)
2000	3/4 P	S5 type	Red	2799 **7043**
4000	3/4 P	V0 type	Black	2799 **7072**(1)

(1) Standard.



J1 type handle — B2 type handle — C2 type handle — S5 type handle

Door interlocked external operation handle

SIRCO and SIRCO AC external front operation handle

Rating (A) SIRCO	Rating (A) SIRCO AC	No. of poles	Handle	Handle colour	External IP(1)	Reference
125 … 630	200 … CD 630	3/4 P	S2 type	Black	IP55	1421 **2111**(2)(3)
				Black	IP65	1423 **2111**
				Red	IP65	1424 **2111**
125 … 160	-	6/8 P		Black	IP55	1421 **2111**(2)
				Black	IP65	1423 **2111**
				Red	IP65	1424 **2111**
250 … 630		6/8 P	S4 type	Black	IP65	1443 **3111**
				Red	IP65	1444 **3111**
800 … 1600		6/8 P	V1 type	Black	IP65	2799 **7145**(2)
800 … 1800	630 … 1600	3/4 P	S4 type	Black	IP65	1443 **3111**(2)(3)
				Black	IP65	1444 **3111**
2000 … 3200	2000	3/4 P	V2 type	Black	IP65	2799 **7136**(2)
				Red	IP65	2799 **7134**
			S5 type	Black	IP65	1453 **8111**(3)
				Red	IP65	1454 **8111**
4000 … 5000	4000	3/4 P	V0 type	Black	IP65	2799 **7155**(2)(3)

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

Use

Door interlocked external operation handles include an escutcheon, are padlockable and must be utilised with an extension shaft.



S2 type handle — S3 type handle — S4 type handle — S5 type handle

Shaft for external handle

For 3/4 pole SIRCO and SIRCO AC

Rating (A) SIRCO	Rating (A) SIRCO AC	Dimension X (mm)	Length (mm)	Reference
125 ... 160		125 ... 250	200	1400 **1020**
		125 ... 300	250	1400 **1025**
		125 ... 370	320	1400 **1032**
		125 ... 550	500	1400 **1050**
		125 ... 850	750	1400 **1075**
200 ... 250	200 ... 315	135 ... 265	200	1400 **1020**
		135 ... 315	250	1400 **1025**
		135 ... 385	320	1400 **1032**
		135 ... 565	500	1400 **1050**
		135 ... 880	750	1400 **1075**
315 ... 630	400 ... CD 630	165 ... 295	200	1400 **1020**
		165 ... 345	250	1400 **1025**
		165 ... 415	320	1400 **1032**
		165 ... 595	500	1400 **1050**
		165 ... 940	750	1400 **1075**
800 ... 1800	630 ... 1600	221 ... 343	200	1401 **1520**
		221 ... 463	320	1401 **1532**
		221 ... 543	400	1401 **1540**
2000 ... 3200	2000	415 ... 570	200	2799 **3015**
		415 ... 690	320	2799 **3018**
		415 ... 820	450	2799 **3019**
4000 ... 5000	4000	550 ... 680	200	2799 **3015**
		651 ... 921	320	2799 **3018**

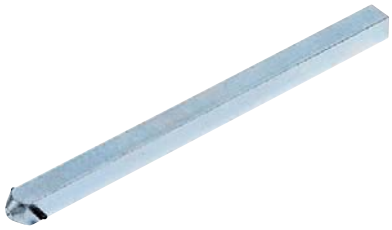
Use

Standard lengths:
- 200 mm
- 250 mm
- 300 mm
- 400 mm
- 500 mm
- 750 mm

Other lengths: Please consult us.



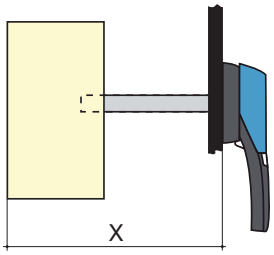
acces_368_a_1_x_cat



acces_144_b_1_cat

For 6/8 pole SIRCO

Rating (A)	Dimension X (mm)	Length (mm)	Reference
125 ... 160	270 ... 436	200	1400 **1020**
125 ... 160	270 ... 556	320	1400 **1032**
250 ... 630	221 ... 308	200	1400 **1520**
250 ... 630	221 ... 428	320	1400 **1532**
250 ... 630	221 ... 508	400	1400 **1540**



acces_202_a_1_x_cat

socomec
Innovative Power Solutions

Accessories (continued)

Alternative S-type handle cover colours

Use

For single lever handles S1, S2, S3 type and for double lever handle S4 type.
Other colours: Please consult us.

Handle colour	To be ordered in multiples of	Handle	Reference
Light grey	50	S2, S3 type	1401 **0001**
Dark grey	50	S2, S3 type	1401 **0011**
Light grey	50	S4 type	1401 **0031**
Dark grey	50	S4 type	1401 **0041**



acces_198_a_2_cat

S-type cover

S-type handle adapter

Use

Enables S-type handles to be fitted in place of older style Socomec handles. Adapter can be utilised as a spacer to increase the distance between the panel door and the handle lever.
Adds 12 mm to the depth.

Handle colour	To be ordered in multiples of	External IP(1)	Reference
Black	1	IP65	1493 **0000**

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



acces_187_a_1_cat

Shaft guide for external operation

Use

For utilisation with S-type handles, to guide the shaft extension into the external handle. This accessory enables the handle to engage the extension shaft with a misalignment of up to 15 mm.
Required for shaft lengths over 320 mm.

Description	Reference
Shaft guide	1429 **0000**



acces_260_a_2_cat

Auxiliary contact

Use

Pre-break and signalling of positions 0 and I:
- 1 to 2 NO/NC auxiliary contacts.
- 1 to 4 NO+NC auxiliary contacts.
- 1 to 2 low level NO/NC auxiliary contacts.

Characteristics

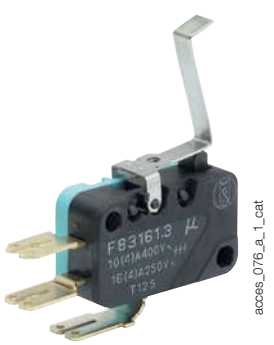
NO/NC A/C: IP2 with front operation.

Connection to the control circuit

6.35 mm fast-on terminal.

Electrical characteristics

30 000 operations.



acces_076_a_1_cat


acces_065_a_1_cat

NO/NC contact for 3/4 pole SIRCO and SIRCO AC		
Rating (A)	**Position A/C**	**Reference**
125 ... 3200	1st	2699 **0031**
125 ... 3200	2nd	2699 **0032**
4000 ... 5000	1st/2nd	included

NO/NC contact for 6/8 pole SIRCO		
Rating (A)	**Position A/C**	**Reference**
125 ... 1600	1st	2699 **0061**
125 ... 1600	2nd	2699 **0062**

NO+NC contact for 3/4 pole SIRCO and SIRCO AC		
Rating (A)	**Position A/C**	**Reference**
125 ... 3200	1st	2699 **0141**
125 ... 3200	2nd/3rd/4th	2699 **0142**

NO/NC low level contact for 3/4 pole SIRCO and SIRCO AC		
Rating (A)	**Position A/C**	**Reference**
125 ... 3200	1st	2699 **0301**
125 ... 3200	2nd	2699 **0302**

Characteristics

			Operating current I_e (A)									
			230 VAC		400 VAC		24 VDC			48 VDC		
Rating (A)	**Contact type**	**Current nominal (A)**	**AC-12**	**AC-13/15**	**AC-12**	**AC-13/15**	**DC-12**	**DC-13**	**DC-14**	**DC-12**	**DC-13**	**DC-14**
125 ... 3200	NO/NC	16	16	4	12	3	2.5	2.5	1	2.5	1.2	0.2
125 ... 3200	NO + NC	16	16	4	16	3	16	5	1	2.5	1.2	0.2

Inter-phase barrier

Use

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


acces_036_a_1_cat

For 3/4 poles			
Rating (A) SIRCO	**Rating (A) SIRCO AC**	**No. of poles**	**Reference**
125 ... 160		3 P	2998 **0033**
125 ... 160		4 P	2998 **0034**
200 ... 250	200 ... 315	3 P	2998 **0023**
200 ... 250	200 ... 315	4 P	2998 **0024**
315 ... 630	315 ... CD 360	3 P	2998 **0013**
315 ... 630	315 ... CD 360	4 P	2998 **0014**
800 ... 5000	630 ... 4000	3 P	included
800 ... 5000	630 ... 4000	4 P	included

Terminal shrouds

Use

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

Advantage

Perforations allow remote thermographic inspection without the need to remove the shrouds.The terminal shrouds also provide phase separation for SIRCO and SIRCO AC 125 to 630 A.



For 3/4 poles

Rating (A) SIRCO	Rating (A) SIRCO AC	No. of poles	Position	Reference
125 … 160		3 P	top or bottom	2694 **3014**(1)
125 … 160		4 P	top or bottom	2694 **4014**(2)
200 … 250	200 … 315	3 P	top or bottom	2694 **3021**(1)
200 … 250	200 … 315	4 P	top or bottom	2694 **4021**(2)
315 … 630	400 … CD 630	3 P	top or bottom	2694 **3051**(1)
315 … 630	400 … CD 630	4 P	top or bottom	2694 **4051**(2)

(1) Reference includes 3 parts for top or bottom protection.
(2) Reference includes 4 parts for top or bottom protection.

For 6/8 pole SIRCO

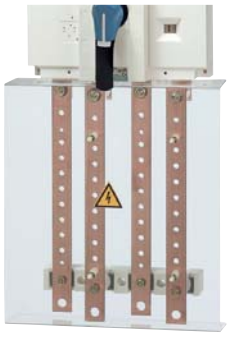
Rating (A)	No. of poles	Position	Reference
125 … 160	6 P	top or bottom	2694 **3014**(1)(3)
125 … 160	8 P	top or bottom	2694 **4014**(2)(3)
250	6 P	top or bottom	2694 **3021**(1)(3)
250	8 P	top or bottom	2694 **4021**(2)(3)
400 … 630	6 P	top or bottom	2694 **3051**(1)(3)
400 … 630	8 P	top or bottom	2694 **4051**(2)(3)

(1) Reference includes 3 parts for top or bottom protection on the front or rear of the device.
(2) Reference includes 4 parts for top or bottom protection on the front or rear of the device.
(3) Select 2 sets for front or rear.

Distribution block

Use

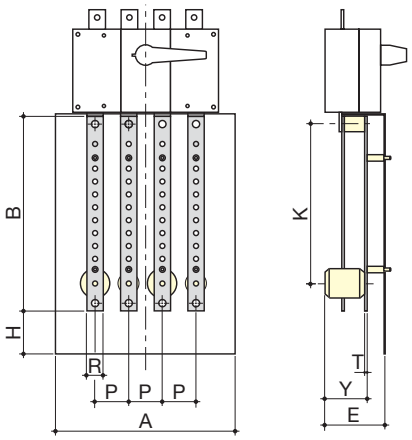
Easy connection of several cables, downstream of the SIRCO.



For 3/4 pole SIRCO

Rating (A)	No. of poles	No of feeders per section (mm^2)	I_{cc} (kA rms)(1)	Reference
160	3 P	1x95 + 8x25	10	5411 **3016**
160	4 P	1x95 + 8x25	10	5411 **6016**
250	3 P	1x150 + 8x50	15	5411 **3025**
250	4 P	1x150 + 8x50	15	5411 **4025**
400	3 P	1x240 + 8x95	21	5411 **3040**
400	4 P	1x240 + 8x95	21	5411 **4040**
630	3 P	1x300 + 8x150	21	5411 **3063**
630	4 P	1x300 + 8x150	21	5411 **4063**

Dimensions



Rating (A)	No. of poles	A	W	E	H	K	D	R	T	Y
160	3 P	154	286	73	46.5	261.5	36	20	4	54
160	4 P	190	286	73	46.5	261.5	36	20	4	54
250	3 P	210	307	83	57.5	279	50	25	4	56
250	4 P	260	307	83	57.5	279	50	25	4	56
400	3 P	281	375	116	82.5	340	65	32	5	82
400	4 P	346	375	116	82.5	340	65	32	5	82
630	3 P	271	438	117	90.5	410.5	65	40	6	83
630	4 P	346	438	117	90.5	410.5	65	40	6	83

Terminal screens

Use

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



For 3/4 poles				
Rating (A) SIRCO	**Rating (A) SIRCO AC**	**No. of poles**	**Position**	**Reference**
125 ... 160		3 P	top or bottom	2698 **3012**
125 ... 160		4 P	top or bottom	2698 **4012**
200 ... 250	200 ... 315	3 P	top or bottom	2698 **3020**
200 ... 250	200 ... 315	4 P	top or bottom	2698 **4020**
315 ... 630	400 ... CD 630	3 P	top or bottom	2698 **3050**
315 ... 630	400 ... CD 630	4 P	top or bottom	2698 **4050**
800 ... CD 1250	630 ... CD 1250	3 P	top or bottom	2698 **3080**
800 ... CD 1250	630 ... CD 1250	4 P	top or bottom	2698 **4080**
1250 ... 1800	1250 ... 1600	3 P	top or bottom	2698 **3120**
1250 ... 1800	1250 ... 1600	4 P	top or bottom	2698 **4120**
2000 ... 3200	2000	3 P	top or bottom	2698 **3200**
2000 ... 3200	2000	4 P	top or bottom	2698 **4200**
4000 ... 5000	4000	3/4 P	top or bottom	1509 **4200**

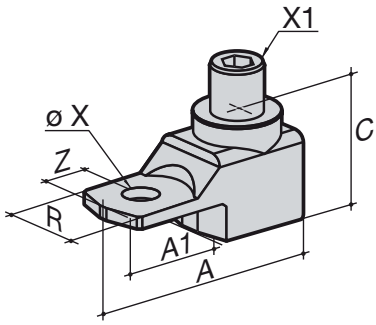
For 6/8 pole SIRCO			
Rating (A)	**No. of poles**	**Position**	**Reference**
125 ... 160	6 P	top or bottom	1509 **3012**
125 ... 160	8 P	top or bottom	1509 **4012**
250	6 P	top or bottom	1509 **3025**
250	8 P	top or bottom	1509 **4025**
400 ... 630	6 P	top and bottom	1509 **3063**
400 ... 630	8 P	top and bottom	1509 **4063**
800 ... 1250	6 P	top and bottom	1509 **3080**
800 ... 1250	8 P	top and bottom	1509 **4080**
1600	6 P	top and bottom	1509 **3160**
1600	8 P	top and bottom	1509 **4160**

Cage terminals

Use

They enable a direct terminal-free connection to rigid copper and aluminium conductors with integration under the IP2X protective cover.

Material: tin-plated aluminium.



Dimensions

Rating (A)	A	A1	C	E	R	T	ØX	X1	Z
125 ... 160	47.5	22.5	25	12	20	3.5	8.5	M12	10
200 ... 250	62	31.5	31.5	16.5	25	2.5	10.5	M16	14
315 ... 400	71.5	32	38	9	32	5	10.5	M20	15
500 ... 630	76.5	37	38	9	40	5	12.5	M20	15

References

Rating (A)	Tightening capacity (mm^2)	No. of poles	Tightening torque (Nm)	Width of flexible bar (mm)	Reference
125 ... 160	16 ... 95	3 P	14	13	5400 **3016**
125 ... 160	16 ... 95	4 P	14	13	5400 **4016**
200 ... 250	16 ... 185	3 P	25	18	5400 **3025**
200 ... 250	16 ... 185	4 P	25	18	5400 **4025**
315 ... 400	50 ... 240	3 P	45	20	5400 **3040**
315 ... 400	50 ... 240	4 P	45	20	5400 **4040**
500 ... 630	70 ... 300	3 P	45	24	5400 **3063**
500 ... 630	70 ... 300	4 P	45	24	5400 **4063**

Accessories (continued)

Copper bar connection kits

Use

To allow connection between the two power terminals of the same pole for 2000 to 3200 A ratings (Fig. 1 and Fig 2).

For 3200 A rating, the connection pieces (part A) are delivered bridged from factory.1

Bolt sets must be ordered separately.

Further details for these specific accessories are available in the user guide downloadable from www.socomec.com.

Top or bottom flat connection - Fig. 1

Rating (A)	Piece	Quantity to order per pole(1)	Reference
2000 … 2500	Connection - part A	1	2619 **1200**
2000 … 2500	Bolt set - part B	1	2699 **1200**
3200	Connection - part A		included
3200	Bolt set - part B	1	2699 **1200**

(1) Example for a 3 pole device equipped upstream only: Order 3 times the indicated quantities.

Fig. 1

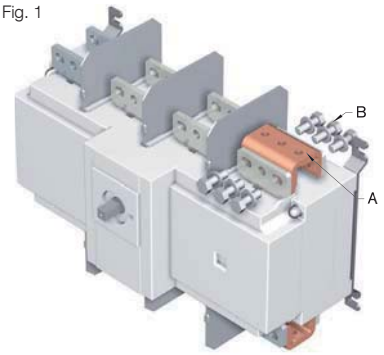
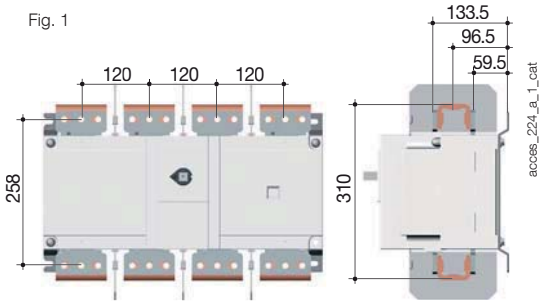


Fig. 1



Top or bottom edgewise connection - Fig. 2

Rating (A)	Piece	Quantity to order per pole(1)	Reference
2000 … 2500	Connection - part A	1	2619 **1200**
2000 … 2500	T piece - part C	1	2629 **1200**(2)
2000 … 2500	Bracket- part D	1	2639 **1200**(2)
3200	Connection - part A		included
3200	T piece - part C	1	2629 **1200**
3200	Bracket- part D	1	2639 **1200**

(1) Example for a 3 pole device equipped upstream only: Order 3 times the indicated quantities.
(2) Bolt set is provided with the accessories.

Fig.2

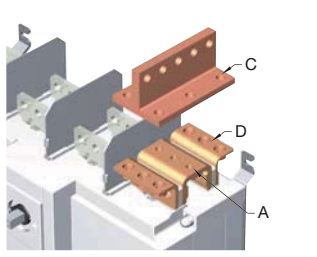
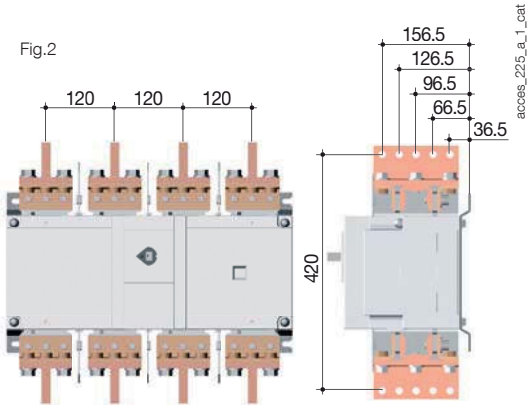


Fig.2



Key handle interlocking system

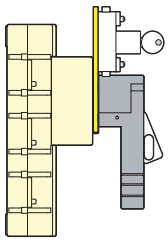
Use

Locking in position 0 of the front operation handle:

- using a padlock (not supplied) - function is available as standard on the handle. From 125 to 1800 A, the padlock on the external front operation handle also locks the door,
- using lock (not supplied): see diagrams opposite,
- using undervoltage coil: the SIRCO can only be closed if the coil is live.

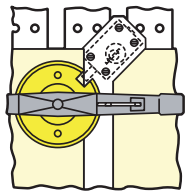
For 6/8 pole: Please consult us

Fig. 1



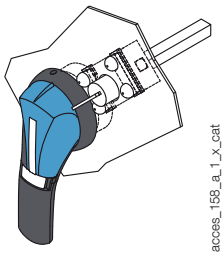
acces_001_a_1_x_cat

Fig.2



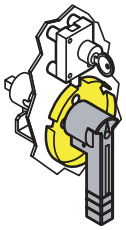
acces_005_a_1_x_cat

Fig. 3



acces_158_a_1_x_cat

Fig.4



acces_004_c_1_x_cat

For SIRCO

Locking using RONIS EL11AP lock (not supplied)				
Rating (A)	**No. of poles**	**Operation**	**Figure**	**Reference**
125 ... 630	3/4 P	front direct	1	2699 **6008**(1)
125 ... 1800	3/4 P	external front	3	1499 **7701**
800 ... 3200	3/4 P	front direct	2	2699 **6027**
1250 ... 5000	3/4 P	external front	4	2799 **7002**

(1) Front handle operation included.

For SIRCO AC

Locking using RONIS EL11AP lock (not supplied)				
Rating (A)	**No. of poles**	**Operation**	**Figure**	**Reference**
200 ... CD 630	3/4 P	front direct	1	2699 **6011**(1)
630 ... 1600	3/4 P	front direct	2	2699 **6028**

For SIRCO

Locking using 230 VAC undervoltage coil (other voltages: please consult us)			
Rating (A)	**No. of poles**	**Operation**	**Reference**
125 ... 630	3/4 P	external front	2699 **9063**(1)
800 ... 3200	3/4 P	front direct	2699 **9315**(1)

(1) The locking system is directly mounted on the device.

Locking using CASTELL lock (not supplied)						
Rating (A)	**No. of poles**	**Handle**	**Lock type**	**Operation**	**Figure**	**Reference**
125 ... 160	6/8 P	S2 type	K	External front	2	4109 **8507**
125 ... 1 800	3/4 P	S2, S4 type	FS	External front	3	1499 **7703**
125 ... 1 800	3/4 P	S2, S4 type	K	External front	3	1499 **7702**
250 ... 630	6/8 P	S4 type	K	External front	2	2999 **8707**
800 ... 1 600	6/8 P	S5 type	K	External front	2	2799 **7003**
1 250 ... 4 000	3/4 P	S5, S0 type	K	External front	2	2799 **7003**

Other specific accessories



bd_03_01_01

- Mechanical coupling device for making switches with "n" poles of the same or different ratings.
- Mechanical interlocking device.

socomec
Innovative Power Solutions

SIRCO characteristics according to IEC 60947-3

125 to 800 A

Thermal current I_{th} at 40°C		**125 A**	**160 A**	**200 A**	**250 A**	**315 A**	**400 A**	**500 A**	**630 A**	**800 A**
Rated insulation voltage U_i (V)		800	800	800	800	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)		8	8	8	8	12	12	12	12	12
Rated operational currents I_e (A)										
Rated voltage	**Utilisation category**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**
415 VAC	AC-20 A / AC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630	800/800
415 VAC	AC-21 A / AC-21 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630	800/800
415 VAC	AC-22 A / AC-22 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630	800/800
415 VAC	AC-23 A / AC-23 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	500/500	800/800
220 VDC	DC-20 A / DC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630	800/800
220 VDC	DC-21 A / DC-21 B	125/125	160/160	160/200	250/250	315/315	400/400	500/500	630/630	800/800
220 VDC	DC-22 A / DC-22 B	125/125	160/160	160/200	250/250	315/315	400/400	400/500	500/500	800/800
220 VDC	DC-23 A / DC-23 B	125/125	125/125	160/160	200/200	315/315	400/400	400/400	500/500	800/800
440 VDC	DC-20 A / DC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630	800/800
440 VDC	DC-21 A / DC-21 B	125(3)/125(3)	160(3)/160(3)	160(3)/200(3)	200(3)/200(3)	315(3)/315(3)	400(3)/400(3)	400(3)/400(3)	500(3)/500(3)	800(4)/800(4)
440 VDC	DC-22 A / DC-22 B	125(3)/125(3)	125(3)/125(3)	160(3)/160(3)	200(3)/200(3)	315(3)/315(3)	400(3)/400(3)	400(3)/400(3)	500(3)/500(3)	800(4)/800(4)
440 VDC	DC-23 A / DC-23 B	125(4)/125(4)	125(4)/125(4)	160(4)/160(4)	200(4)/200(4)	315(4)/315(4)	400(4)/400(4)	400(4)/400(4)	500/500	800(4)/800(4)
500 VDC	DC-20 A / DC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630	800/800
500 VDC	DC-21 A / DC-21 B	125(3)/125(3)	125(3)/125(3)	160(3)/200(3)	200(3)/200(3)	315(3)/315(3)	400(3)/400(3)	400(3)/400(3)	500(3)/500(3)	800(4)/800(4)
500 VDC	DC-22 A / DC-22 B	125(4)/125(4)	125(4)/125(4)	160(4)/160(4)	200(4)/200(4)	315(4)/315(4)	315(4)/400(4)	315(4)/400(4)	500(4)/500(4)	800(4)/800(4)
500 VDC	DC-23 A / DC-23 B	125(4)/125(4)	125(4)/125(4)	160(4)/160(4)	200(4)/200(4)	315(4)/315(4)	315(4)/400(4)	315(4)/400(4)	500(4)/500(4)	800(4)/800(4)
Operational power in AC-23 A (kW) (1)(5)										
At 415 VAC without pre-break in AC(1)		63/63	80/80	100/100	132/132	160/160	220/220	280/280	280/280	450/450
Reactive power (kvar)										
At 400 VAC (kvar)(5)		55	75	90	115	145	185	230	290	365
Fuse protected short-circuit withstand (kA rms prospective)(6)										
Prospective short-circuit current (kA rms)		100	100	80	50	100	100	100	70	50
Associated fuse rating (A)		125	160	200	250	315	400	500	630	800
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s at 690 VAC										
Rated short-time withstand current 0.3s. I_{cw} (kA rms)		15	15	17	17	25	25	25	25	50
Short-circuit capacity (without protection)										
Rated short-time withstand current 1s. I_{cw} (kA rms)		7	7	9	9	13	13	13	13	35
Rated short-circuit making capacity without fuses I_{cm} (kA peak)		11.9	11.9	15.3	15.3	26	26	26	26	73.5
Connection										
Maximum Cu cable cross-section (mm²)		35	50	70	95	150	185	240	2 x 150	2 x 185
Minimum Cu busbar cross-section (mm²)									2 x 30 x 5	2 x 40 x 5
Maximum Cu cable cross-section (mm²)		50	95	95	150	240	240	240	2 x 300	2 x 300
Maximum Cu busbar width (mm)		25	25	32	32	40	40	40	50	63
Tightening torque min/max (Nm)		9/-	9/-	20/-	20/-	20/-	20/-	20/-	20/-	40/45
Mechanical characteristics										
Durability (number of operating cycles)		10000	10000	10000	10000	10000	10000	10000	10000	3000
Operating effort (Nm)		6.5	6.5	10	10	10	14.5	14.5	14.5	37
Weight of a 3 pole device (kg)		1	1.5	2	2	3.5	3.5	3.5	3.5	8
Weight of a 4 pole device (kg)		1.5	1.5	2	2	4	4	4.5	4.5	10

(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) With terminal shrouds or phase barrier.
(3) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".
(4) 4-pole device with 2 poles in series per polarity.
(5) The power value is given for information only, the current values vary from one manufacturer to another.
(6) For a rated operational voltage U_e = 415 VAC.

SIRCO characteristics according to IEC 60947-3

1000 to 5000 A

Thermal current I_{th} at 40°C		**1000 A**	**CD 1250 A**	**1250 A**	**1600 A**	**1800 A**	**2000 A**	**2500 A**	**3200 A**	**4000 A**	**5000 A**
Rated insulation voltage U_i (V)		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)		12	12	12	12	12	12	12	12	12	12
Rated operational currents I_e (A)											
Rated voltage	**Utilisation category**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**
415 VAC	AC-20 A / AC-20 B	1000/1000	1250/1250	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3200/3200	4000/4000	5000/5000
415 VAC	AC-21 A / AC-21 B	1000/1000	1250/1250	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3200/3200	4000/4000	5000/5000
415 VAC	AC-22 A / AC-22 B	1000/1000	1250/1250	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	2500/3200	2500/3200	2500/3200
415 VAC	AC-23 A / AC-23 B	1000/1000	1250/1250	1250/1250	1250/1250	1250/1250	1600/1600	1600/1600	1600/1600	1800/2000	1800/2000
220 VDC	DC-20 A / DC-20 B	1000/1000	1250/1250	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3200/3200	4000/4000	5000/5000
220 VDC	DC-21 A / DC-21 B	1000/1000	1250/1250	1250/1250	1250/1600	1250/1600	2000/2000	2000/2500	2000/2500	2500/3200	2500/3200
220 VDC	DC-22 A / DC-22 B	1000/1000	1250/1250	1250/1250	1250/1250	1250/1250	1250/1600	1250/1600	1250/1600	1800/2000	1800/2000
220 VDC	DC-23 A / DC-23 B	1000/1000	1250/1250	1250/1250	1250/1250	1250/1250	1250/1250	1250/1250	1250/1250	1250/1600	1250/1600
440 VDC	DC-20 A / DC-20 B	1000/1000	1250/1250	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3200/3200	4000/4000	5000/5000
440 VDC	DC-21 A / DC-21 B	1000(4)/1000(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1600(4)	1250(4)/1600(4)	2000(4)/2000(4)	2000(4)/2500(4)	2500(4)/3200(4)	3200(4)/4000(4)	3200(4)/5000(4)
440 VDC	DC-22 A / DC-22 B	1000(4)/1000(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1600(4)/1800(4)	1600(4)/1800(4)
440 VDC	DC-23 A / DC-23 B	1000(4)/1000(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)
500 VDC	DC-20 A / DC-20 B	1000/1000	1250/1250	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3250/3250	4000/4000	5000/5000
500 VDC	DC-21 A / DC-21 B	1000(4)/1000(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1600(4)	1250(4)/1600(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1600(4)/1800(4)	1600(4)/1800(4)
500 VDC	DC-22 A / DC-22 B	1000(4)/1000(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1600(4)	1250(4)/1600(4)
500 VDC	DC-23 A / DC-23 B	1000(4)/1000(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1250(4)/1250(4)	1000(4)/1000(4)	1000(4)/1000(4)	1000(4)/1000(4)	1000(4)/1000(4)	1000(4)/1000(4)
Operational power in AC-23 A (kW) (1)(5)											
At 415 VAC without pre-break in AC(1)		560/560	710/710	710/710	710/710	710/710	710/710	710/710	710/710	710/710	710/710
Reactive power (kvar)											
At 400 VAC (kvar)(5)		460									
Fuse protected short-circuit withstand (kA rms prospective)(6)											
Prospective short-circuit current (kA rms)		100	100	100	100	100	100	100			
Associated fuse rating (A)		1000	1250	1250	2 x 800	2 x 800	2 x 1000	2 x 1250			
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s at 690 VAC											
Rated short-time withstand current 0.3s. I_{cw} (kA rms)		65	65	100	100	100	100	100	100		
Short-circuit capacity (without protection)											
Rated short-time withstand current 1s. I_{cw} (kA rms)		35	35	50	50	50	50	50	50	75	75
Rated short-circuit making capacity without fuses I_{cm} (kA peak)		73.5	73.5	75	75	75	80	80	80	165	165
Connection											
Maximum Cu cable cross-section (mm²)		2 x 240									
Minimum Cu busbar cross-section (mm²)		2 x 50 x 5	2 x 60 x 5	2 x 60 x 5	2 x 80 x 5	3 x 100 x 5	3 x 100 x 5	4 x 100 x 5	4 x 100 x 5	1 x 100 x 5	1 x 100 x 5
Maximum Cu cable cross-section (mm²)		4 x 185	4 x 185	4 x 185	6 x 185	6 x 185					
Maximum Cu busbar width (mm)		63	63	100	100	100	100	100	100		
Tightening torque min/max (Nm)		40/45	40/45	40/45	40/45	40/45	40/45	40/-	40/-	40/-	40/-
Mechanical characteristics											
Durability (number of operating cycles)		3000	3000	4000	4000	4000	3000	3000	3000	2000	2000
Operating effort (Nm)		37	37	56	56	56	75	75	75	105	105
Weight of a 3 pole device (kg)		8	8	12	12	12	22	22	22	45	45
Weight of a 4 pole device (kg)		10	10	15	15	15	25	25	25	50	50

(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) With terminal shrouds or phase barrier.
(3) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".
(4) 4-pole device with 2 poles in series per polarity.
(5) The power value is given for information only, the current values vary from one manufacturer to another.
(6) For a rated operational voltage U_e = 415 VAC.

SIRCO AC characteristics according to IEC 60947-3

200 to 630 A

Thermal current I_{th} at 40°C		**200 A**	**250 A**	**315 A**	**400 A**	**500 A**	**CD 630 A**	**630 A**
Rated insulation voltage U_i (V)		1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)		12	12	12	12	12	12	12
Rated operational currents I_e (A)								
Rated voltage	**Utilisation category**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**
500 VAC	AC-20 A / AC-20 B	200/200	250/250	315/315	400/400	500/500	630/630	630/630
500 VAC	AC-21 A / AC-21 B	200/200	250/250	315/315	400/400	500/500	630/630	630/630
500 VAC	AC-22 A / AC-22 B	200/200	250/250	315/315	400/400	500/500	630/630	630/630
500 VAC	AC-23 A / AC-23 B	200/200	250/250	315/315	400/400	500/500	630/630	630/630
690 VAC	AC-20 A / AC-20 B	200/200	250/250	315/315	400/400	500/500	630/630	630/630
690 VAC	AC-21 A / AC-21 B	200/200	250/250	315/315	400(2)/400(2)	500(2)/500(2)	630(2)/630(2)	630(2)/630(2)
690 VAC	AC-22 A / AC-22 B	200/200	250/250	315/315	400(2)/400(2)	500(2)/500(2)	500(2)/630(2)	630(2)/630(2)
690 VAC	AC-23 A / AC-23 B	200/200	250/250	315/315	400(2)/400(2)	500(2)/500(2)	500(2)/500(2)	630(2)/630(2)
Operational power in AC-23 A (kW) (5)								
At 690 VAC without pre-break AC		160	220	250	400	500	500	630
Reactive power (kvar)								
At 690 VAC (kvar)		160	190	250	325	400	400	450
Fuse protected short-circuit withstand (kA rms prospective) at 690 VAC (6)								
Prospective short-circuit current (kA rms)		50	50	50	50	50	50	50
Associated fuse rating (A)		200	250	315	400	500	630	630
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s at 690 VAC								
Rated short-time withstand current 0.3s. I_{cw} (kA rms)		15	15	15	15	15	15	28
Short-circuit capacity (without protection)								
Rated short-time withstand current 1s. I_{cw} (kA rms)		8	8	8	11	11	11	20
Rated short-circuit making capacity without fuses I_{cm} (kA peak)		22	22	22	22	22	22	40
Connection								
Maximum Cu cable cross-section (mm^2)		70	70	70	185	240	2 x 150	2 x 185
Minimum Cu busbar cross-section (mm^2)							2 x 30 x 5	2 x 40 x 5
Maximum Cu cable cross-section (mm^2)		95	95	95	240	240	2 x 300	2 x 300
Maximum Cu busbar width (mm)		32	32	32	40	40	63	63
Tightening torque min/max (Nm)		20/-	20/-	20/-	20/-	20/-	20/-	40/45
Mechanical characteristics								
Durability (number of operating cycles)		10000	10000	10000	5000	5000	5000	4000
Operating effort (Nm)		10	10	10	14.5	14.5	14.5	48
Weight of a 3 pole device (kg)		2	2	2	3.5	3.5	3.5	8
Weight of a 4 pole device (kg)		2	2	2	4	4	4	10

(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) With terminal shrouds or phase barrier.
(3) 3-pole device with 2 poles in series for the "+" and 1 pole for the "-".
(4) 4-pole device with 2 poles in series per polarity.
(5) The power value is given for information only, the current values vary from one manufacturer to another.
(6) For a rated operational voltage U_e = 690 VAC.

SIRCO AC characteristics according to IEC 60947-3

800 to 4000 A

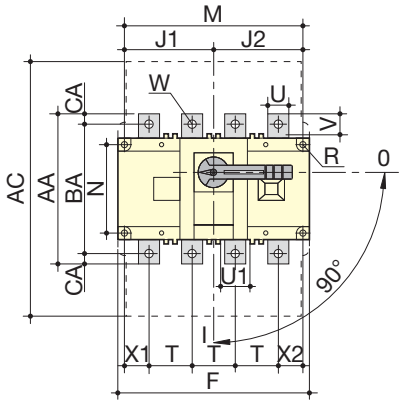
Thermal current I_{th} at 40°C		**800 A**	**1000A**	**CD 1250 A**	**1250 A**	**1600 A**	**2000 A**	**4000 A**
Rated insulation voltage U_i (V)		1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)		12	12	12	12	12	12	12
Rated operational currents I_e (A)								
Rated voltage	**Utilisation category**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**
500 VAC	AC-20 A / AC-20 B	800/800	1000/1000	1250/1250	1250/1250	1600/1600	2000/2000	4000/4000
500 VAC	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1250/1250	1600/1600	2000/2000	-/3200
500 VAC	AC-22 A / AC-22 B	800/800	1000/1000	1250/1250	1250/1250	1600/1600	2000/2000	-
500 VAC	AC-23 A / AC-23 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250	1600/1600	-
690 VAC	AC-20 A / AC-20 B	800/800	1000/1000	1250/1250	1250/1250	1600/1600	2000/2000	4000/4000
690 VAC	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1250/1250	1600/1600	2000/2000	-/3200
690 VAC	AC-22 A / AC-22 B	800/800	1000/1000	1250/1250	1250/1250	1600/1600	2000/2000	-/-
690 VAC	AC-23 A / AC-23 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250	1600/1600	-/-
Operational power in AC-23 A (kW) (5)								
At 690 VAC without pre-break AC		900	900	-	-	-	-	-
Reactive power (kvar)								
At 690 VAC (kvar)		550	750	950	950	-	-	-
Fuse protected short-circuit withstand (kA rms prospective) at 690 VAC(6)								
Prospective short-circuit current (kA rms)		50	50	50	50	50	-	-
Associated fuse rating (A)		800	800	2 x 500	1250	2 x 800	-	-
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s at 690 VAC								
Rated short-time withstand current 0.3s. I_{cw} (kA rms)		28	55	55	53	53	53	53
Short-circuit capacity (without protection) at 690 VDC								
Rated short-time withstand current 1s. I_{cw} (kA rms)		20	30	30	35	35	35	35
Rated short-circuit making capacity without fuses I_{cm} (prospective kA peak)		40	80	80	75	75	75	75
Connection								
Maximum Cu cable cross-section (mm^2)		2 x 185	2 x 240					
Minimum Cu busbar cross-section (mm^2)		2 x 40 x 5	2 x 50 x 5	2 x 60 x 5	2 x 60 x 5	2 x 80 x 5	3 x 100 x 5	1 x 100 x 5
Maximum Cu cable cross-section (mm^2)		2 x 300	4 x 185	4 x 185	4 x 185	6 x 185		
Maximum Cu busbar width (mm)		63	63	63	100	100	100	
Tightening torque min/max (Nm)		40/45	40/45	40/45	40	40	40	40
Mechanical characteristics								
Durability (number of operating cycles)		4000	4000	3000	4000	4000	3000	2000
Operating effort (Nm)		48	48	48	55	55	75	100
Weight of a 3 pole device (kg)		8	8	8	12	12	22	45
Weight of a 4 pole device (kg)		10	10	10	15	15	25	50

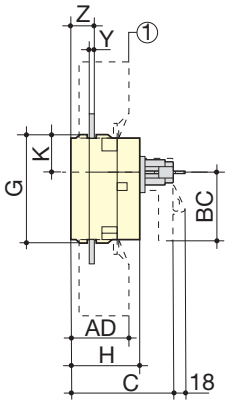
(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) With terminal shrouds or phase barrier.
(3) 3-pole device with 2 poles in series for the "+" and 1 pole for the "-".
(4) 4-pole device with 2 poles in series per polarity.
(5) The power value is given for information only, the current values vary from one manufacturer to another.
(6) For a rated operational voltage Ue = 690 VAC.

Dimensions - Front operation

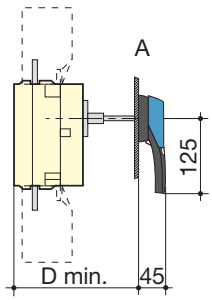
SIRCO 125 to 630 A and SIRCO AC 200 to CD 630 A

Direct front operation





External front operation



sirco_198_i_1_x_cat

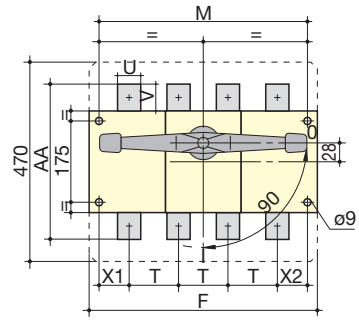
1. Terminal shrouds

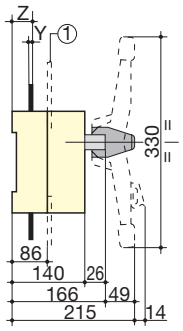
A. S2 type handle

Rating (A) SIRCO	Rating (A) SIRCO AC	Overall dimensions C	Overall dimensions D min	Terminal shrouds AC	Terminal shrouds AD	Switch body F 3p.	Switch body F 4p.	Switch body G	Switch body H	Switch body J1 3p.	Switch body J1 4p.	Switch body J2	Switch body K	Switch body BC	Switch mounting M 3p.	Switch mounting M 4p.	Switch mounting N	Switch mounting R	Connection T	Connection U	Connection U1	Connection V	Connection W	Connection X1 3p.	Connection X1 4p.	Connection X2	Connection Y	Connection Z	Connection AA	Connection BA	Connection CA
125…160		115	125	235	50	140	170	93	65	45	75	75	31.5	80	120	150	65	5.5	36	20	20.5	25	9	28	22	20	3.5	20.5	135	115	10
200…250	200…250			280	60	180	230	108	75	55	105	105	34	115	160	210	80	5.5	50	20	25.5	21.5	11	33	33	27	3.5	22.5	160	130	15
	315																			35											
315…400	400…500	160	165	401	89	230	290	170	110	75	135	135	55	115	210	270	140	7	65	32	45.5	29	11	42.5	37.5	37.5	5	36	235	205	15
500	-																						13								
630	CD 630																			45		41.5							260	220	20

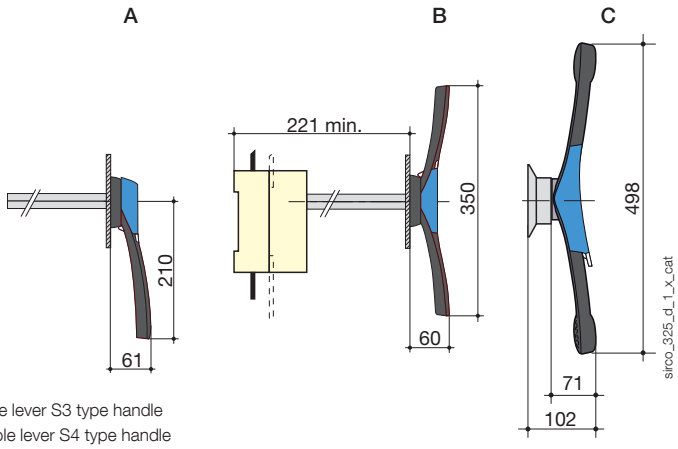
SIRCO 800 to 1800 A and SIRCO AC 630 to 1600 A

Direct front operation





External front operation



sirco_325_d_1_x_cat

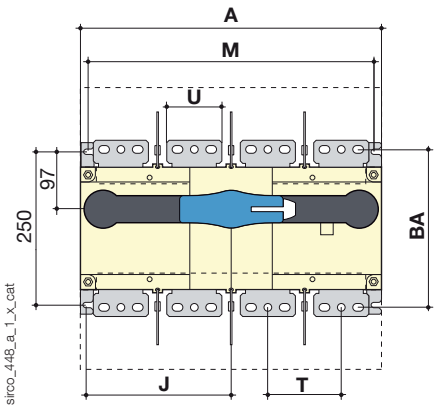
1. Terminal screens

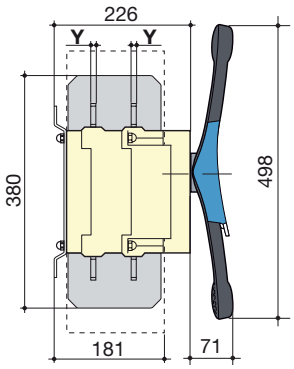
A. Single lever S3 type handle
B. Double lever S4 type handle
C. Double lever S5 type handle

Rating (A) SIRCO	Rating (A) SIRCO AC	Switch body F 3p.	Switch body F 4p.	Switch mounting M 3p.	Switch mounting M 4p.	Connection T	Connection U	Connection V	Connection Y	Connection X1	Connection X2	Connection Z	Connection AA
800 … 1000	630 … 1000	280	360	255	335	80	50	60.5	7	47.5	47.5	46.5	321
CD 1250	CD 1250						60	65					330
1250 … 1800	1250 … 1600	372	492	492	467	120	90	44	8	53.5	53.5	47.5	288

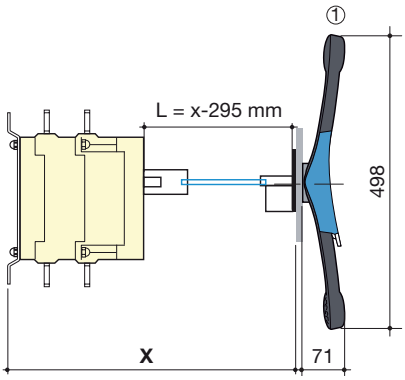
SIRCO 2000 to 3200 A and SIRCO AC 2000 A

Direct front operation





External front operation

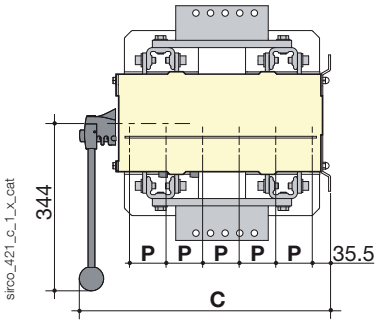


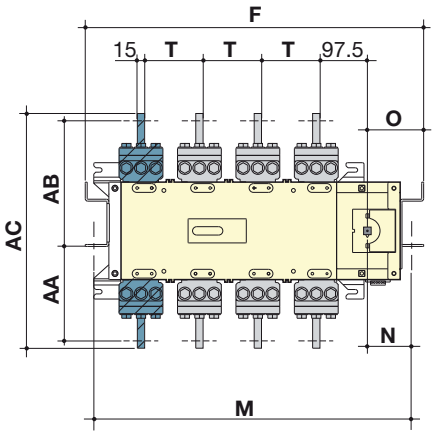
1. Double lever S5 type handle

Rating (A) SIRCO	SIRCO AC rating (A)	Overall dimensions		Switch body		Switch mounting		Connection			
		A 3p.	A 4p.	J 3p.	J 4p.	M 3p.	M 4p.	T	U	Y	BA
2000 ... 3200	2000	372	492	173.5	233.5	347	367	120	90	8	258

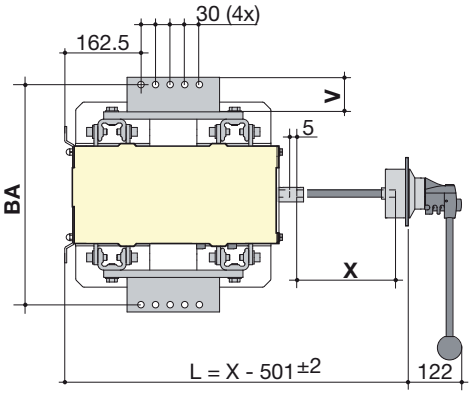
SIRCO 4000 to 5000 A and SIRCO AC 4000 A

Direct front operation





External front operation

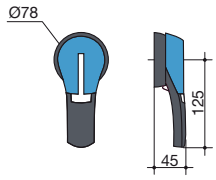


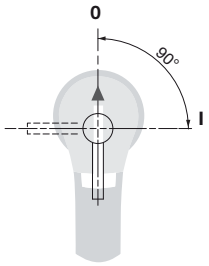
Rating (A) SIRCO	Rating (A) SIRCO AC	Overall dimensions	Switch body		Switch mounting					Connection					
		C	F 3p.	F 4p.	M 3p.	M 4p.	N	O	D	T	V	AA	AB	AC	BA
4000 ... 5000	4000	514	695	695	660	660	98	115.5	75	120	86	160	292	482	452

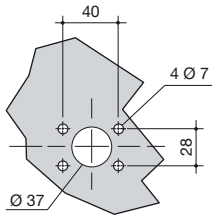
Dimensions for external handles

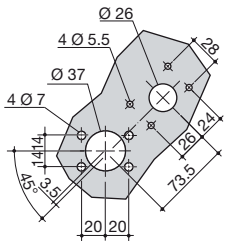
SIRCO 125 to 630 A and SIRCO AC 200 to CD 630 A

Handle type	Front operation Direction of operation	Door drilling template
S2 type		With lock RONIS EL11AP





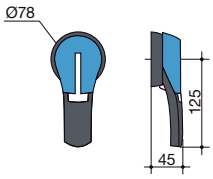


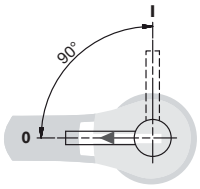


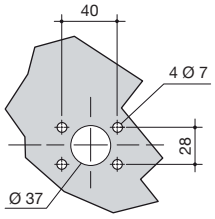
poign_010_a_1_gb_cat

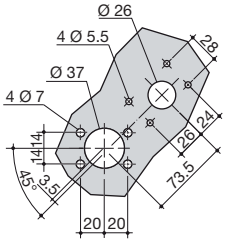
SIRCO 125 to 630 A

Handle type	Side operation Direction of operation	Door drilling template
S2 type	**Right side operation**	With lock RONIS EL11AP





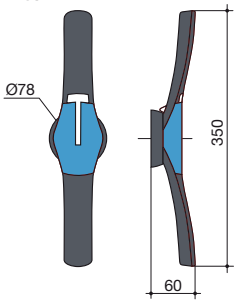


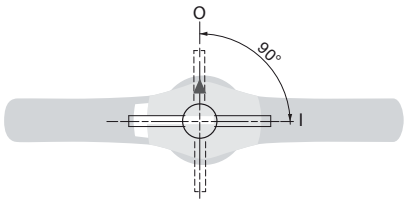


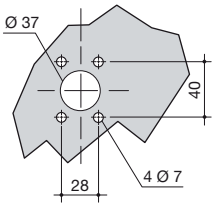
poign_028_a_1_gb_cat

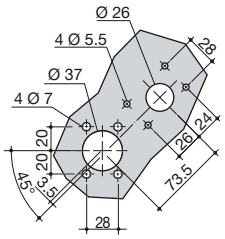
SIRCO 800 to 1800 A and SIRCO AC 630 to 1600 A

Handle type	Front operation Direction of operation	Door drilling template
S4 type		With lock RONIS EL11AP





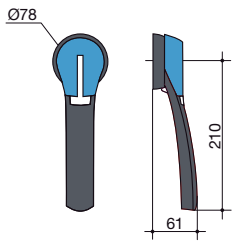


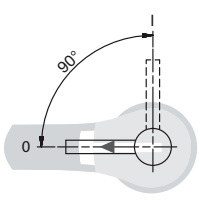


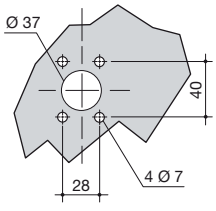
poign_011_a_1_gb_cat

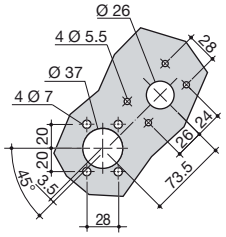
SIRCO 800 to 1800 A

Handle type	Side operation Direction of operation	Door drilling template
S3 type	**Right side operation**	With lock RONIS EL11AP







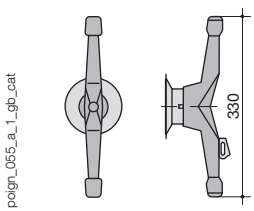


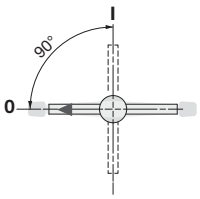
poign_029_a_1_gb_cat

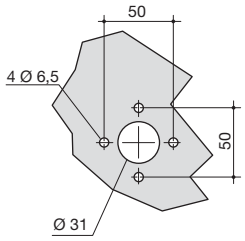
Dimensions for external handles (continued)

SIRCO 2000 to 3200 A

Handle type	Front operation Direction of operation	Door drilling template
V2 Type		

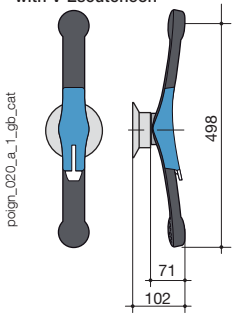


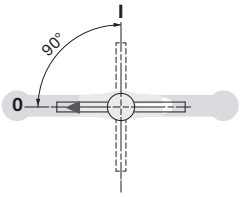


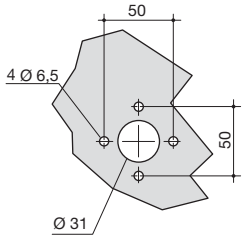


SIRCO AC 2000 A

Handle type	Front operation Direction of operation	Door drilling
S5 type with V Escutcheon		

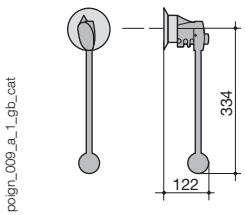


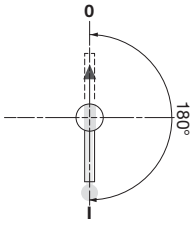


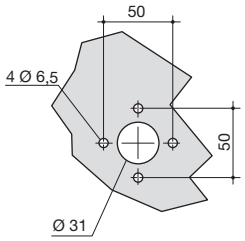


SIRCO 4000 to 5000 A and SIRCO AC 4000 A

Handle type	Front operation Direction of operation	Door drilling
V0 type		



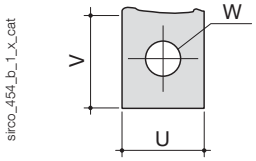




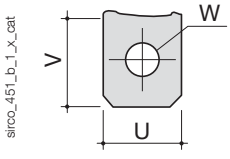
Connection terminal

SIRCO 125 to 630 A and SIRCO AC 200 to CD 630 A

SIRCO



SIRCO AC



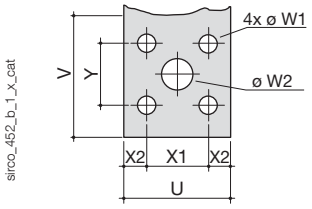
Rating (A)				
SIRCO	**SIRCO AC**	**U**	**V**	**W**
125 … 160		20	25	9
200 … 250	200 … 250	25	21.5	11
	315	35		
315 … 400	400 … 500	32	29	
500				13
630	CD 630	45	41.5	

socomec
Innovative Power Solutions

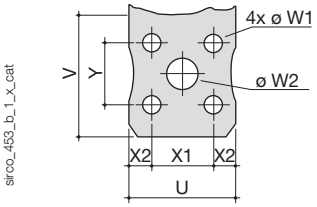
Connection terminal (continued)

SIRCO 800 to 1000 A and SIRCO AC 630 to 1000 A

SIRCO



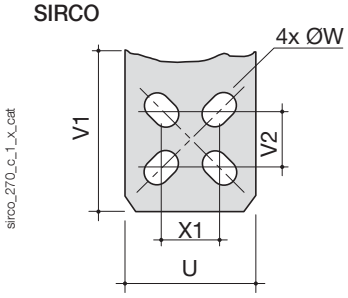
SIRCO AC



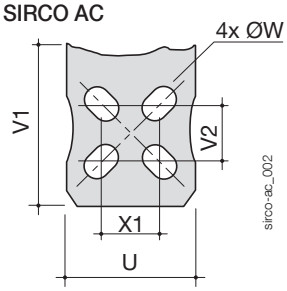
Rating (A)								
SIRCO	**SIRCO AC**	**U**	**V**	**W1**	**W1**	**X1**	**X2**	**Y**
800 … 1000	630 … 1000	50	60.5	28.5	16	28.5	11	33

SIRCO and SIRCO AC CD 1250 A

SIRCO

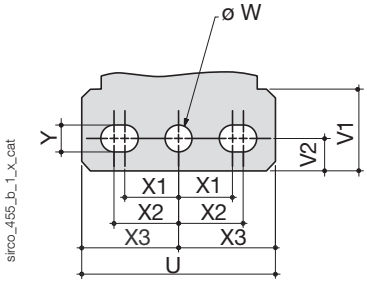


SIRCO AC



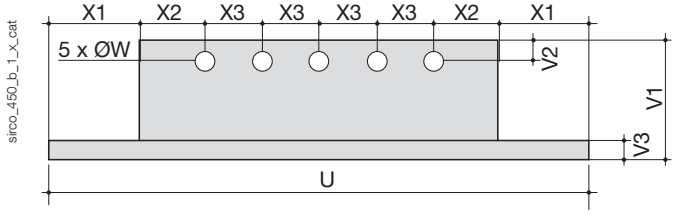
Rating (A)							
SIRCO	**SIRCO AC**	**U**	**V1**	**V2**	**W**	**X1**	**Y**
CD 1250 A	CD 1250 A	60	65	28.5	16	28.5	11

SIRCO 1250 to 3200 A and SIRCO AC 1250 to 1600 A



Rating (A)									
SIRCO	**SIRCO AC**	**U**	**V1**	**V2**	**W**	**X1**	**X2**	**X3**	**Y**
1250 … 3200	1250 … 1600	90	35.8	15	12.5	25	30	45	12.5

SIRCO 4000 to 5000 A and SIRCO AC 4000 A



Rating (A)									
SIRCO	**SIRCO AC**	**U**	**W**	**X1**	**X2**	**X3**	**V1**	**V2**	**V3**
4000 … 5000	4000	286	13	48	35	30	86	15	15