

Accessories

Direct handle



acces_128_a_1_cat



acces_129_a_1_cat

References

Rating (A)	No. of poles	Handle colour	References
125 … 160	3/4 P	Black	2699 **5042**
125 … 160	6/8 P	Black	4199 **5012**
125 … 160	3/4 P	Red	2699 **5043**
200 … 630	3/4 P	Black	2699 **5052**
200 … 630	3/4 P	Red	2699 **5053**
250 … 630	6/8 P	Black	2799 **7052**
250 … 630	6/8 P	Red	2799 **7053**
800 … 3200	3/4 P	Black	2799 **7012**
800 … 3200	3/4 P	Red	2799 **7013**
800 … 1600	6/8 P	Black	2799 **7012**
800 … 1600	6/8 P	Red	2799 **7013**
4000	3/4 P	Black	2799 **7062**
4000	3/4 P	Red	2799 **7063**

Door interlocked external handle



acces_150_a_1_cat

S2-type handle

Use

The door interlocked external operation includes a padlockable handle, an escutcheon and must be combined with a shaft extensions.



acces_151_a_1_cat

S3-type handle



acces_152_a_2_cat

S4-type handle

References

Rating (A)	No. of poles	Handle type	Handle colour	External IP(1)	References
125 … 630	3/4 P	S2	Black	IP55	1421 **2111**
125 … 630	3/4 P	S2	Black	IP65	1423 **2111**
125 … 630	3/4 P	S2	Red/Yellow	IP65	1424 **2111**
125 … 160	6/8 P	S2	Black	IP55	1421 **2111**
125 … 160	6/8 P	S2	Black	IP65	1423 **2111**
125 … 160	6/8 P	S2	Red/Yellow	IP65	1424 **2111**
250 … 1600	6/8 P	S3	Black	IP65	1433 **3111**
250 … 1600	6/8 P	S3	Red/Yellow	IP65	1434 **3111**
800 … 1800	3/4 P	S4	Black	IP65	1443 **3111**
800 … 1800	3/4 P	S4	Red/Yellow	IP65	1444 **3111**
2000 … 3200	3/4 P	V	Black	IP65	2799 **7136**
2000 … 3200	3/4 P	V	Red	IP65	2799 **7134**
4000	3/4 P	V	Black	IP65	2799 **7145**
4000	3/4 P	-	Red		consult us

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

S-type handle adapter



acces_187_a_1_cat

Use

Enables new S type handles to be mounted using old fixing holes for replacement or retrofit applications.

Dimensions

Adds 12 mm to the depth.

Référence

Colour	External IP(1)	Pack qty	Référence
Black	IP65	10	1493 **0000**

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

This document is not a contract. SOCOMEC reserves the right to modify features without prior notice in view of continued improvement. 2008 - 2009

Functions
References
Accessories
Enclosed load break switches
Characteristics
Dimensions

Accessories

Alternative S-type handle cover colours


acces_198_a_1_cat

Use

For single lever handles S2, S3-type and for double lever handles S4-type.
Other colours: please consult us.

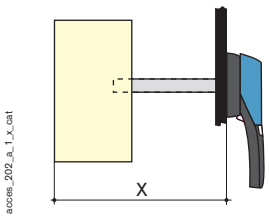
References

Colour	Pack qty	Handle type	References
Light grey	50	S2, S3	1401 **0001**
Dark grey	50	S2, S3	1401 **0011**
Light grey	50	S4	1401 **0031**
Dark grey	50	S4	1401 **0041**

Shaft extensions for external handle


acces_143_b_1_cat


acces_144_b_1_cat



acces_202_a_1_x_cat

Use

Standard length:
- 200 mm,
- 250 mm,
- 300 mm,
- 400 mm,
- 500 mm,
- 750 mm.

Other lengths: please consult us.

References

For 3/4 pole

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

For 6/8 pole

Rating (A)	Dimension X (mm)	Shaft length (mm)	References
125 … 160	270 … 436	200	1400 **1020**
125 … 160	270 … 556	320	1400 **1032***
250	221 … 308	200	1401 **1520**
250	221 … 428	320	1401 **1532***
250	221 … 508	400	1401 **1540**
400 … 1600	298 … 385	200	1401 **1520**
400 … 1600	298 … 505	320	1401 **1532***

** Standard.*

This document is not a contract. SOCOMEC reserves the right to modify features without prior notice in view of continued improvement. 2008 - 2009

Accessories

Auxiliary contacts



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 AC: IP2 with front operation.

Connection to the control circuit

6.35 mm fast-on connection.

Electrical characteristics

30 000 operations.

References

NO/NC contacts for 3/4 pole

Rating (A)	No. of AC	References
125 … 3200	1st	2699 **0031**
125 … 3200	2nd	2699 **0032**
4000	1st	included
4000	2nd	included

NO/NC contacts for 6/8 pole

Rating (A)	No. of AC	References
125 … 1600	1st	2699 **0061**
125 … 1600	2nd	2699 **0062**

NO + NC contacts for 3/4 pole

Rating (A)	No. of AC	References
125 … 3200	1st	2699 **0141**
125 … 3200	2nd	2699 **0142**

Low level NO/NC contacts for 3/4 pole

Rating (A)	No. of AC	References
125 … 1800	1st	2699 **0301**
125 … 1800	2nd	2699 **0302**

Characteristics

Rating (A)	Contact type	Nominal current (A)	Operating current I_e (A) 230 VAC AC-12	230 VAC AC-13/15	400 VAC AC-12	400 VAC AC-13/15	24 VDC DC-12	24 VDC DC-13	24 VDC DC-14	48 VDC DC-12	48 VDC DC-13	48 VDC DC-14
125 … 4000	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

Door mounting kit

Use

Kit enables door mounting facility for the SIRCO range.

References

For 3/4 pole direct front operation

Rating (A)	No. of poles	References
125 … 160	3 P	2699 **3312**
125 … 160	4 P	2699 **4312**
200 … 250	3 P	2699 **3420**
200 … 250	4 P	2699 **4420**

Terminal shrouds



Use

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

Advantage

Perforations allowing remote thermographic inspection without removal.

The terminal shrouds also provide phase separation SIRCOs from 125 to 630 A.

References

Rating (A)	No. of poles	Position	References
125 … 160	3/6 P	top or bottom	2694 **3014**(1)(2)
125 … 160	4/8 P	top or bottom	2694 **4014**(1)(2)
200 … 250	3/6 P	top or bottom	2694 **3021**(1)(2)
200 … 250	4/8 P	top or bottom	2694 **4021**(1)(2)
315 … 630	3/6 P	top or bottom	2694 **3051**(1)(2)
315 … 630	4/8 P	top or bottom	2694 **4051**(1)(2)

(1) 2 sets required to shroud top and bottom terminals on 3/4 pole switch.
(2) 4 sets required to shroud top and bottom terminals on 6/8 pole switch.

This document is not a contract. SOCOMEC reserves the right to modify features without prior notice in view of continued improvement. 2008 - 2009

Functions
References
Accessories
Enclosed load break switches
Characteristics
Dimensions

Accessories

Terminal screens


acces_079_a_1_cat

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

References

For 3/4 pole

Rating (A)	No. of poles	Position	References
125 … 160	3 P	top or bottom	2698 **3012**(1)
125 … 160	4 P	top or bottom	2698 **4012**(1)
200 … 250	3 P	top or bottom	2698 **3020**(1)
200 … 250	4 P	top or bottom	2698 **4020**(1)
315 … 630	3 P	top or bottom	2698 **3050**(1)
315 … 630	4 P	top or bottom	2698 **4050**(1)
800 … CD 1250	3 P	top or bottom	2698 **3080**(1)
800 … CD 1250	4 P	top or bottom	2698 **4080**(1)
1250 … 1800	3 P	top or bottom	2698 **3120**(1)
1250 … 1800	4 P	top or bottom	2698 **4120**(1)
2000 … 3200	3 P	top or bottom	2698 **3200**(1)
2000 … 3200	4 P	top or bottom	2698 **4200**(1)
4000	3/4 P	top and bottom	included

(1) Order 2 references to shield top and bottom terminals.

For 6/8 pole

Rating (A)	No. of poles	Position	References
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 or bottom	1509 **3063**
400 … 630	8 P	top or bottom	1509 **4063**
800 … 1250	6 P	top or bottom	1509 **3080**
800 … 1250	8 P	top or bottom	1509 **4080**
1600	6 P	top or bottom	1509 **3160**
1600	8 P	top or bottom	1509 **4160**

Shrouded distribution block

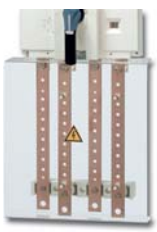

repar_027_a_2_cat

Use
Easy connection of several cables, can be clipped onto a symmetric DIN rail.

References

Rating (A)	No. of poles	No of feeders per section (mm²)	References
125	3/4 P	2 x 25 + 7 x 10	5420 **4108**
125	3/4 P	2 x 25 + 2 x 16 + 9 x 10	5420 **4112**
160	3/4 P	1 x 35 + 3 x 25 + 8 x 16	5420 **4016**

Bottom distribution kit


repar_020_b_1_cat

Use
Easy connection of several equipotential conductors, mounted top of the SIRCO.

References

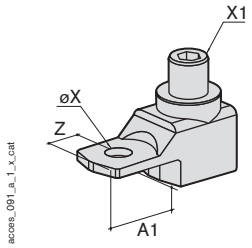
Rating (A)	No. of poles	No of feeders per section (mm²)	References
125 … 160	3 P	1 x 95 + 8 x 25	5411 **3016**
125 … 160	4 P	1 x 95 + 8 x 25	5411 **4016**
200 … 250	3 P	1 x 150 + 8 x 50	5411 **3025**
200 … 250	4 P	1 x 150 + 8 x 50	5411 **4025**
315 … 400	3 P	1 x 240 + 8 x 95	5411 **3040**
315 … 400	4 P	1 x 240 + 8 x 95	5411 **4040**
500 … 630	3 P	1 x 300 + 8 x 150	5411 **3063**
500 … 630	4 P	1 x 300 + 8 x 150	5411 **4063**

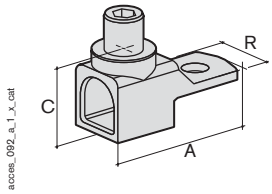
This document is not a contract. SOCOMEC reserves the right to modify features without prior notice in view of continued improvement. 2008 - 2009

Accessories

Cage terminals







Use

Connection of bare copper cables onto the terminals (without terminal lugs).

References

Rating (A)	No. of poles	References
125 … 160	3 P	5400 **3016**
125 … 160	4 P	5400 **4016**
200 … 250	3 P	5400 **3025**
200 … 250	4 P	5400 **4025**
315 … 400	3 P	5400 **3040**
315 … 400	4 P	5400 **4040**
500 … 630	3 P	5400 **3063**
500 … 630	4 P	5400 **4063**

Connections

Rating (A)	Section flexible cable (mm^2)	Section rigid cable (mm^2)	Width flexible bar (mm)	Stripped over (mm)
125 … 160	16 … 95	16 … 95	13	22
200 … 250	16 … 185	16 … 185	18	27
315 … 400	50 … 240	50 … 300	20	34
500 … 630	70 … 300	70 … 300	24	34

Dimensions

Rating (A)	A	A1	C	R	ØX	X1	Z
125 … 160	47.5	22.5	25	20	8.5	M12	10
200 … 250	62	31.5	31.5	25	10.5	M16	14
315 … 400	71.5	32	38	32	10.5	M20	15
500 … 630	76.5	37	38	40	12.5	M20	15

Copper bars connection kits

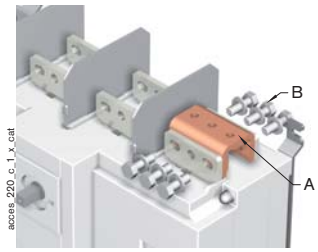


Fig.1

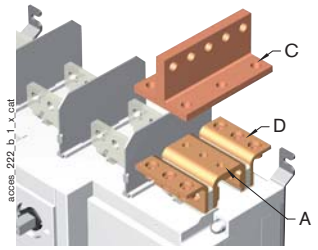


Fig.2

Use

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

For 3200 A rating, the connection piece (part A) are delivered bridged from factory. Bolt sets must be ordered separately.

Dimensions

See page A.43, for connection kit assembly.

Technical notice for these specific accessories is downloadable from www.socomec.com

References

Top or bottom flat connection - Fig. 1

Rating (A)	Part	Qty to order per pole (1)	References
2000 … 2500	Connection piece - part A	1	2619 **1200**
2000 … 2500	Bolt set - part B	1	2699 **1200**
3200	Connection piece - part A	/	standard
3200	Bolt set - part B	1	2699 **1200**

(1) Example for 3-pole device: order 3 times the quantities.

Top or bottom edgewise connection - Fig. 2

Rating (A)	Part	Qty to order per pole (1)	References
2000 … 2500	Connection piece - part A	1	2619 **1200**
2000 … 2500	T piece - part C	1	2629 **1200** (2)
2000 … 2500	Right angle - part D	2	2639 **1200** (2)
3200	Connection piece - part A	/	standard
3200	T piece - part C	1	2629 **1200** (2)
3200	Right angle - part D	2	2639 **1200** (2)

(1) Example for 3-pole device equipped top only: order 3 times the quantities.
(2) Bolt set is provided with the accessories.

This document is not a contract. SOCOMEC reserves the right to modify features without prior notice in view of continued improvement. 2008 - 2009

Functions
References
Accessories
Enclosed load break switches
Characteristics
Dimensions

Accessories

Inter phase barriers



Use

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

The terminal shrouds also provide phase separation for SIRCOs from 125 to 630 A.

References

Rating (A)	No. of poles	References
125 … 160	3 P	2998 **0033**
125 … 160	4 P	2998 **0034**
200 … 250	3 P	2998 **0023**
200 … 250	4 P	2998 **0024**
315 … 630	3 P	2998 **0013**
315 … 630	4 P	2998 **0014**
800 … 3200	3/4 P	included

Handle key interlocking accessories

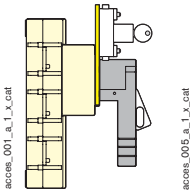


Fig. 1

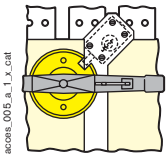


Fig. 2

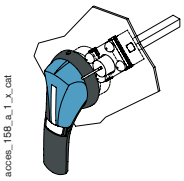


Fig. 3

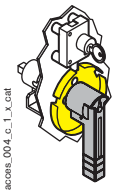


Fig. 4

Use

Locking in position 0 of the front operation handle:

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

For 6/8 pole, please consult us.

References

Locking using RONIS EL11AP lock (not included)

Rating (A)	No. of poles	Operation	Figure	References
125 … 630	3/4 P	direct front	1	2699 **6008**(1)
125 … 1800	3/4 P	external front	3	1499 **7701**
800 … 3200	3/4 P	direct front	2	2699 **6027**
2000 … 4000	3/4 P	external front	4	2799 **7002**
4000	3/4 P	direct front	2	2699 **7017**

Locking using CASTELL lock (not included)

Rating (A)	No. of poles	Operation	Lock type	Figure	References
125 … 1800	3/4 P	external front	FS	3	1499 **7703**
125 … 1800	3/4 P	external front	K	3	1499 **7702**
2000 … 4000	3/4 P	external front	K	2	2799 **7003**
125 … 160	6/8 P	external front	K	2	4109 **8507**
250 … 630	6/8 P	external front	K	2	2999 **8707**
800 … 1600	6/8 P	external front	K	2	2799 **7003**

Locking using 230 VAC undervoltage coil (other voltages: please consult us)

Rating (A)	No. of poles	Operation	References
125 … 630	3/4 P	external front	2699 **9063**(2)
800 … 3200	3/4 P	direct front	2699 **9315**(2)

(1) Front operation handle included.
(2) The locking system is mounted directly on the device.

This document is not a contract. SOCOMEC reserves the right to modify features without prior notice in view of continued improvement. 2008 - 2009

Accessories

Other specific accessories



bd_03_04_01

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

Enclosed load break switches

Steel enclosure for front operation



coff_295_a_1_cat

General characteristics

- Adapted to mechanical risk and dust hazard.
- S-type black handle lockable in position 0.
- Protection degree: IP55 / Ik 10 (IP65 on request).
- Colour: polyester powder RAL 7032.
- Gland plates: top and bottom.
- Material: XC steel, thickness 1.5 to 2 mm.
- Coating: epoxy polyester powder.
- Wall mounting: 4 holes in the back of the casing.
- Door: solid with hinges.
- Locking system: 3 mm double-bar key (key supplied).
- Miscellaneous: 2 earth connection points, disconnectable solid neutral link for 3+N, extension boxes for top and/or bottom connections available, IP20 incoming terminal shrouds.

Please consult us.

This document is not a contract. SOCOMEC reserves the right to modify features without prior notice in view of continued improvement. 2008 - 2009