

Accessories (continued)

Shaft for external operation

For 3/4 pole SIRCO and SIRCO AC

Rating (A) / Frame size		Dimension X (mm)	Length (mm)	Reference
SIRCO	SIRCO AC			
125 ... 160 / B3		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 / B4	200 ... 315 / B4	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 / B5	400 ... CD 630 / B5	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 / B6...B7	630 ... 1600 / B6 ... B7	221 ... 343	200	1401 1520
		221 ... 463	320	1401 1532
		221 ... 543	400	1401 1540
2000 ... 3200 / B8	2000 / B8	415 ... 570	200	2799 3015
		415 ... 690	320	2799 3018
		415 ... 820	450	2799 3019
4000 ... 5000 / B9	4000 / B9	550 ... 680	200	2799 3015
		651 ... 921	320	2799 3018

For 6/8-pole SIRCO

Rating (A) / Frame size	Dimension X (mm)	Length (mm)	Reference
125 ... 160 / B3 _{DS}	270 ... 436	200	1400 1020
125 ... 160 / B3 _{DS}	270 ... 556	320	1400 1032
250 ... 630 / B4 _{DS} -B5 _{DS}	221 ... 308	200	1401 1520
250 ... 630 / B4 _{DS} -B5 _{DS}	221 ... 428	320	1401 1532
250 ... 630 / B4 _{DS} -B5 _{DS}	221 ... 508	400	1401 1540

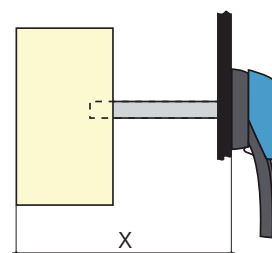
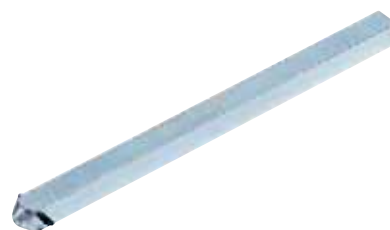
Use

Standard lengths:

- 200 mm
- 250 mm
- 300 mm
- 400 mm
- 500 mm
- 750 mm

Other lengths available:

- please consult us.



Alternative handle cover colours

Use

For S type handles.

Handle colour	To be ordered in multiples of	Handle type	Reference
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



S type cover

S type handle adapter

Use

Adds 12 mm to the depth of the handle.

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.



SIDER

Load break switches for power distribution
from 125 to 3150 A with visible breaking

Accessories (continued)

Type S handle adapter

Use

Enables S-type handles to be fitted in place of existing older style Socomec handles.

Dimensions

Adds 12 mm to the handle 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.



Alternative S type handle cover colour

Use

For single lever handle S1, S2, S3 types and double lever handle S4 type.

Other colours available - please contact us.

Handle colour	To be ordered in multiples of	Handle type	Reference
Light grey	50	S1, S2	1401 0001
Dark grey	50	S1, S2	1401 0011
Light grey	50	S4	1401 0031
Dark grey	50	S4	1401 0041



Shaft for external operation

Use

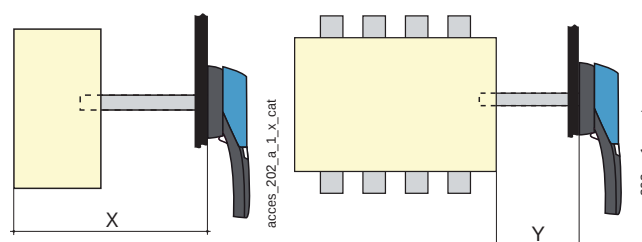
Standard lengths:

- 80 mm,
- 200 mm,
- 320 mm,

- 400 mm,
- 500 mm.

Other lengths available - please contact us.

For front operation				
Rating (A)	Dimension X (mm)	Shaft length (mm)	Type	Reference
ND 125 ... ND 500	95 ... 230	200 mm	10 x 10	1400 1020
ND 125 ... ND 500	95 ... 350	320 mm	10 x 10	1400 1032
ND 125 ... ND 500	95 ... 530	500 mm	10 x 10	1400 1050
630 ... 3150	295 ... 555	200 mm	15 x 12	1401 1520
630 ... 3150	295 ... 675	320 mm	15 x 12	1401 1532
630 ... 3150	295 ... 755	400 mm	15 x 12	1401 1540
For side operation				
Rating (A)	Dimension Y (mm)	Shaft length (mm)	Type	Reference
ND 125 ... ND 500	20 ... 110	80 mm	10 x 10	included
ND 125 ... ND 500	20 ... 230	200 mm	10 x 10	1400 1020
630 ... 1600	98 ... 258	200 mm	15 x 12	1404 1520



Accessories (continued)

Shaft for external handle

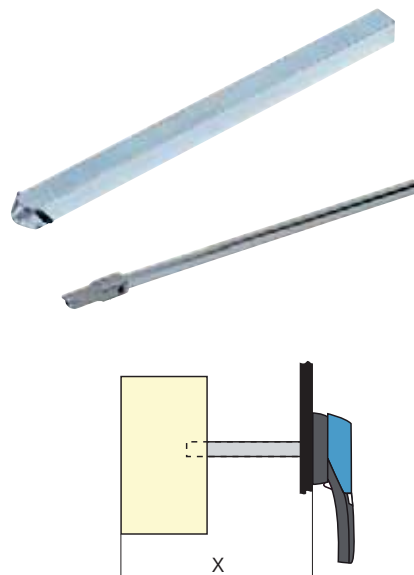
Use

Standard lengths:

- 200 mm,
- 320 mm,
- 400 mm.

Other lengths: Please consult us.

Frame size	Handle type	Dimension Y (mm)	Length (mm)	Reference
B4	S2	150 ... 295	200	1400 1020
B4	S2	150 ... 415	320	1400 1032
B4	S2	150 ... 495	400	1400 1040
B5	S2	203 ... 328	200	1400 1020
B5	S2	203 ... 448	320	1400 1032
B5	S2	203 ... 525	400	1400 1040
B6	S4	220 ... 343	200	1401 1520
B6	S4	220 ... 463	320	1401 1532
B6	S4	220 ... 543	400	1401 1540
B7	S4	305 ... 366	200	1401 1520
B7	S4	305 ... 485	320	1401 1532
B7	S4	305 ... 564	400	1401 1540
B4 _{DS}	S2	305 ... 363	200	1400 1020
B4 _{DS}	S2	305 ... 485	320	1400 1032
B4 _{DS}	S2	305 ... 561	400	1400 1040
B5 _{DS}	S4	406 ... 467	200	1401 1520
B5 _{DS}	S4	406 ... 589	320	1401 1532
B5 _{DS}	S4	406 ... 668	400	1401 1540
B6 _{DS}	V1	508 ... 714	320	4199 3018
B6 _{DS}	V1	508 ... 795	400	4199 3019
B7 _{DS}	V1	508 ... 714	320	4199 3018
B7 _{DS}	V1	508 ... 795	400	4199 3019
B8	V1	415 ... 690	320	2799 3018
B8	V1	415 ... 820	450	2799 3019



acces_144_b_1_cat

acces_369_a_1_cat

acces_202_a_1_x_cat

Shaft guide for external operation

Use

To guide the shaft extension into the external handle.

Required for a shaft length over 320 mm.

This accessory enables the handle to engage the extension shaft with a misalignment of up to 15 mm.

Description	Reference
Shaft guide	1429 0000



acces_260_a_2_cat

SIRCO PV UL 98B

Load break switches for photovoltaic applications

from 100 to 2000 A - up to 1500 VDC

Accessories

External operation

Use

In a combiner box, located close to the solar cell strings, or located close to the inverter, we recommend to use a door interlocked external handle for its safety features.

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

Example

The locking function of the enclosure in the "ON" position will force the operator to safely disconnect and isolate the solar cell strings prior to any intervention. Opening the door when the switch is on "ON" position is possible by defeating the locking function using a tool (authorized persons only). The interlocking function is restored when the door is re-closed.

Frame size	Handle type	Handle colour	Nema degree of protection	Reference
B4 ... B5 B4 _{DS}	S2	Black	1, 3R, 12	142F 2111
		Red/Yellow		142G 2111
		Black		142D 2111
		Red/Yellow		142E 2111
B5 _{DS} B6	S3	Black	4, 4X	143D 3111
		Red/Yellow		143E 3111
		Black		144D 3111
B7	S4	Red/Yellow		144E 3111
B6 _{DS} ... B7 _{DS}	V1	Black	1, 3R, 12	2799 7145



S2 type handle



Reinforced S2 type handle⁽¹⁾
(1) Please consult us.



S3 type handle



S4 type handle



V1 type handle

Shaft for external handle

Use

Standard lengths:

- 7.9 in / 200 mm,
- 12.6 in / 320 mm,
- 15.7 in / 400 mm.

Other lengths: please consult us.

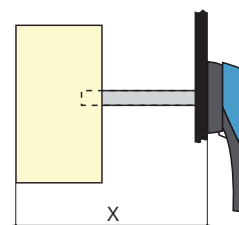
19.69 in / 500 mm available.

Frame size	Handle type	Dimension (inches)	Dimension X (mm)	Length (inches)	Length (mm)	Reference
B4	S2	6 ... 11.6	150 ... 295	7.9	200	1400 1020
		6 ... 16.3	150 ... 415	12.6	320	1400 1032
		6 ... 19.4	150 ... 495	15.7	400	1400 1040
B5	S2	8 ... 12.9	203 ... 328	7.9	200	1400 1020
		8 ... 17.6	203 ... 448	12.6	320	1400 1032
		8 ... 20.7	203 ... 525	15.7	400	1400 1040
B6	S3	8.70 ... 13.50	220 ... 343	7.9	200	1401 1520
		8.70 ... 18.23	220 ... 463	12.6	320	1401 1532
		8.70 ... 21.38	220 ... 543	15.7	400	1401 1540
B7	S4	12 ... 14.4	305 ... 366	7.9	200	1401 1520
		12 ... 19.1	305 ... 485	12.6	320	1401 1532
		12 ... 22.2	305 ... 564	15.7	400	1401 1540
B4 _{DS}	S2	12 ... 14.3	305 ... 363	7.9	200	1400 1020
		12 ... 19	305 ... 483	12.6	320	1400 1032
		12 ... 22.10	305 ... 561	15.7	400	1400 1040
B5 _{DS}	S3, S4	16 ... 18.4	406 ... 467	7.9	200	1401 1520
		16 ... 23.1	406 ... 589	12.6	320	1401 1532
		16 ... 26.3	406 ... 668	15.7	400	1401 1540
B6 _{DS}	V1	20 ... 28.1	508 ... 714	12.6	320	4199 3018
		20 ... 31.3	508 ... 795	15.7	400	4199 3019
		20 ... 28.1	508 ... 714	12.6	320	4199 3018
B7 _{DS}	V1	20 ... 39.4	508 ... 795	15.7	400	4199 3019



access_144_b_1_cat

access_369_a_1_cat



access_202_a_1_x_cat

Accessories

Direct handle

Rating (A)	Type	Colour	Handle type	Reference
100 ... 400	B3	Black	1 lever	4199 4012
600	C2	Black	2 lever	4199 7012
800 ... 1200	V1	Metal	2 lever	4199 7062



External handle

Rating (A)	Handle type	Colour	Nema type	Lockable in 3 positions	Reference
100 ... 200	S2	Black	4, 4X	no	142D 2113
100 ... 200	S2	Red/Yellow	4, 4X	no	142E 2113
100 ... 200	S2	Black	1, 3R, 12	no	142F 2113
100 ... 200	S2	Red/Yellow	1, 3R, 12	no	142G 2113
100 ... 200	S2	Black	4, 4X	yes	142D 2813
100 ... 200	S2	Red/Yellow	4, 4X	yes	142E 2813
100 ... 200	S2	Black	1, 3R, 12	yes	142F 2813
100 ... 200	S2	Red/Yellow	1, 3R, 12	yes	142G 2813
260 ... 600	S3	Black	4, 4X	no	143D 3113
260 ... 600	S3	Red/Yellow	4, 4X	no	143E 3113
260 ... 600	S3	Black	1, 3R, 12	no	143F 3113
260 ... 600	S3	Red/Yellow	1, 3R, 12	no	143G 3113
260 ... 600	S3	Black	4, 4X	yes	143D 3813
260 ... 600	S3	Red/Yellow	4, 4X	yes	143E 3813
260 ... 600	S3	Black	1, 3R, 12	yes	143F 3813
260 ... 600	S3	Red/Yellow	1, 3R, 12	yes	143G 3813
800 ... 1200	S4	Black	4, 4X	no	144D 3113
800 ... 1200	S4	Black	1, 3R, 12	no	144E 3113
800 ... 1200	S4	Black	1, 3R, 12	no	144F 3113
800 ... 1200	S4	Red/Yellow	1, 3R, 12	no	144G 3113
800 ... 1200	S4	Black	4, 4X	yes	144D 3813
800 ... 1200	S4	Red/Yellow	4, 4X	yes	144E 3813
800 ... 1200	S4	Black	1, 3R, 12	yes	144F 3813
800 ... 1200	S4	Red/Yellow	1, 3R, 12	yes	144G 3813
800 ... 1200	S5	Black	1, 3R, 12 ⁽¹⁾	no	1453 8113
800 ... 1200	S5	Red/Yellow	1, 3R, 12 ⁽¹⁾	no	1454 8113
800 ... 1200	V1	Black	1, 3R, 12 ⁽¹⁾	no	4199 7149

(1) For 4, 4X please consult us.

Use

The handle interlocking function prevents the user from opening the door of the enclosure when the switch is in the "ON" position. Opening the door when the switch is in the "ON" position is possible by defeating the interlocking function (not S5 and V handles) with the use of a tool (authorised persons only).

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



Shaft for external handle

Rating (A)	Handle type	Length		Dimension		Reference
		(in)	(mm)	(in)	(mm)	
100 ... 200	S2	7.9	200	10 ... 14.3	254 ... 362	1400 1020
100 ... 200	S2	12.6	320	10 ... 19	254 ... 482	1400 1032
100 ... 200	S2	15.7	400	10 ... 22.1	254 ... 562	1400 1040
260 ... 400	S3	7.9	200	12 ... 18.4	305 ... 467	1401 1520
260 ... 400	S3	12.6	320	12 ... 23.1	305 ... 587	1401 1532
260 ... 400	S3	15.7	400	12 ... 26.3	305 ... 667	1401 1540
260 ... 400	S3	7.9	200	20 ... 23.4	508 ... 594	1401 1520
260 ... 400	S3	12.6	320	20 ... 28.1	508 ... 714	1401 1532
260 ... 400	S3	15.7	400	20 ... 31.3	508 ... 794	1401 1540
800 ... 1200	S4	7.9	200	20 ... 23.4	508 ... 594	1401 1520
800 ... 1200	S4	12.6	320	20 ... 28.1	508 ... 714	1401 1532
800 ... 1200	S4	15.7	400	20 ... 31.3	508 ... 794	1401 1540
800 ... 1200	V1 / S5	12.6	320	20 ... 28.1	508 ... 714	4199 3018
800 ... 1200	V1 / S5	15.7	400	20 ... 31.3	508 ... 794	4199 3019

