SIRCOVER

Manual changeover switches
from 125 to 3200 A

SIRCOVER
3200 A

SIRCOVER Bypass
125 A

The solution for

- Manufacturing industry.
- Power distribution.

Strong points

- A complete range.
- Easy connections.
- Stable positions.
- Improved on load switching.

Specific features SIRCOVER AC I-0-II

- On load switching AC-33.

Conformity to standards

- IEC 60947-3
- IEC 60947-6-1

Approvals and certifications(1)

(1) Product reference on request.

Enclosed solution

- Available enclosed from 125 to 1600 A.

Function

SIRCOVER are manual multipolar changeover switches with positive break indication.
The family includes three ranges:

- **SIRCOVER AC** for dead time switching (I-0-II),
- **SIRCOVER** for overlapping contact switching (I-I+II-II), and
- **SIRCOVER Bypass**. This version is a combination of three interlocked switches enabling use with 3 + 6 poles or 4 + 8 poles.

They provide switching, source inversion and changeover under load for two low voltage power circuits, as well as their safety isolation by double breaking per pole.

Advantages

A complete product range
Three versions of the SIRCOVER are available to ensure compatibility with the maximum number of applications: SIRCOVER AC (I-0-II) with improved on load switching characteristics and isolation position, SIRCOVER with overlapping contacts (I-I+II-II) and a Bypass version.

Easy connections
A copper bar connection kit is available for 2000 to 3200 A ratings. It enables various types of connection: Flat or edgewise connection with top or bottom bridging.

Stable positions
SIRCOVERs have three stable positions which are not affected by voltage drops or vibrations, thus protecting your load against network interference.

Improved on load switching
Thanks to its AC-23 and AC-33 characteristics, which are tested in accordance with standards IEC 60947-3 and IEC 60947-6-1, the SIRCOVER AC enables secure and reliable switching on all types of load, without the need for pre-breaking upstream.

What you need to know

- **SIRCOVER AC** (I-0-II) switches have **3 stable positions**, and are available as 3 or 4 pole devices from 125 to 3200 A. They are available enclosed in a steel or polyester enclosure from 125 to 1600 A.
- **SIRCOVER** with overlapping contacts (I-I+II-II) are 3 or 4 pole devices available from 125 to 1800 A. They are available in a steel enclosure from 125 to 1600 A.
- With 3 stable positions (I-0-II), **SIRCOVER Bypass** are a combination of three interlocked switches enabling the use with 3+6 poles or 4+8 poles from 125 to 1600 A. All ratings are available in a steel enclosure.
- All SIRCOVER can be utilised with a **direct front** or **external operation** handle.

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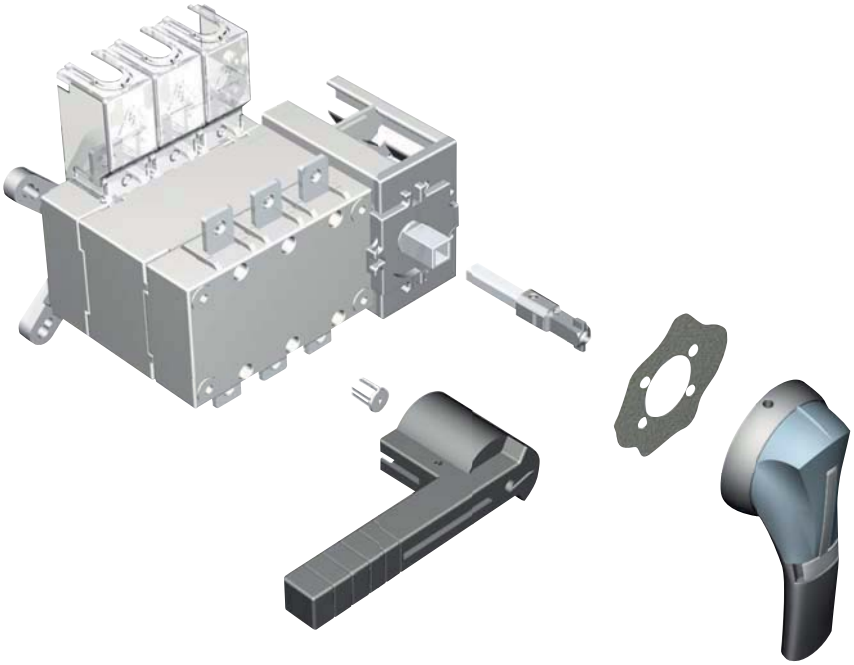

- **Copper bar connection kits** enable the connection between the two power terminals of the same pole (fig.1 & fig.2) and the bridging of the poles on the top or bottom side of the switch (fig.3), for ratings 2000, 2500 and 3200 A.

Fig. 1

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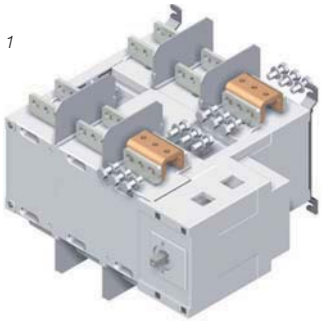

Top or bottom **flat connection**

Fig.2

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Edgewise connection
Top or bottom

Fig. 3

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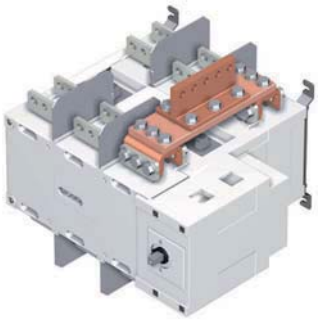


Top or bottom **bridging connection**

References

SIRCOVER AC I-0-II

Rating (A)	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Bridging bars	Auxiliary contact	Terminal shrouds	Terminal screens
125 A	3 P	41AC **3013**	J2 type Blue 1122 **1111** Red 1123 **1111**	S2 type Black IP55 1421 **2113** Black IP65 1423 **2113**(1)	200 mm 1400 **1020** 320 mm 1400 **1032**(1)	4109 **0019**	1st/2nd contact NO/NC 4109 **0021**(2)	3 P 2694 **3014**(3)(4) 4 P 2694 **4014**(3)(4)	3 P 1509 **3012** 4 P 1509 **4012**
	4 P	41AC **4013**							
160 A	3 P	41AC **3016**							
	4 P	41AC **4016**							
200 A	3 P	41AC **3020**							
	4 P	41AC **4020**							
250 A	3 P	41AC **3025**				4109 **0025**		3 P 2694 **3021**(3)(4) 4 P 2694 **4021**(3)(4)	3 P 1509 **3025** 4 P 1509 **4025**
	4 P	41AC **4025**							
315 A	3 P	41AC **3031**				4109 **0039**			
	4 P	41AC **4031**							
400 A	3 P	41AC **3039**							
	4 P	41AC **4039**							
500 A	3 P	41AC **3050**				4109 **0050**		3 P 2694 **3051**(3)(4) 4 P 2694 **4051**(3)(4)	3 P 1509 **3063**(5) 4 P 1509 **4063**(5)
	4 P	41AC **4050**							
630 A	3 P	41AC **3063**				4109 **0063**			
	4 P	41AC **4063**							
800 A	3 P	41AC **3080**	J3 type Blue 1132 **1111** Red 1133 **1111**	S4 type Black IP65 1443 **3113**	200 mm 1401 **1520** 320 mm 1401 **1532**(1)	4109 **0080**			3 P 1509 **3080**(5) 4 P 1509 **4080**(5)
	4 P	41AC **4080**							
1000 A	3 P	41AC **3100**							
	4 P	41AC **4100**							
1250 A	3 P	41AC **3120**				4109 **0120**			
	4 P	41AC **4120**							
1600 A	3 P	41AC **3160**				4109 **0160**			3 P 1509 **3160**(5) 4 P 1509 **4160**(5)
	4 P	41AC **4160**							
1800 A	3 P	41AC **3180**							
	4 P	41AC **4180**							
2000 A	3 P	41AC **3200**	S5 type Black 2799 **7042**	S5 type Black IP65 1453 **8113**	200 mm 2799 **3015** 320 mm 2799 **3018**(1) 450 mm 2799 **3019**	(6)	1st contact NO/NC included		included
	4 P	41AC **4200**							
2500 A	3 P	41AC **3250**							
	4 P	41AC **4250**							
3200 A	3 P	41AC **3320**							
	4 P	41AC **4320**							

(1) Standard.
(2) 2 pieces supplied, one for position I and one for position II.
(3) To fully shroud front, rear, top and bottom 4 references required.
(4) To shroud front switch top and bottom 2 references required.
(5) 2 pieces supplied, one for top side and another for bottom side.
(6) See "Copper bar connection kits" page 335.

SIRCOVER I - I+II - II

Rating (A)	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Bridging bar	Auxiliary contact	Terminal shrouds	Terminal screens
125 A	3 P	4190 **3013**(1)	Black 4199 **5012**(2)	S2 type Black IP65 1423 **2114**(2)	200 mm 1400 **1020** 320 mm 1400 **1032**(2)	4109 **0019**	1st/2nd contact NO/NC 4109 **0021**(3)	3 P 2694 **3014**(4)(5) 4 P 2694 **4014**(4)(5)	3 P 1509 **3012** 4 P 1509 **4012**
	4 P	4190 **4013**(1)							
160 A	3 P	4190 **3016**(1)							
	4 P	4190 **4016**(1)							
200 A	3 P	4190 **3019**							
	4 P	4190 **4019**							
250 A	3 P	4190 **3025**(1)				4109 **0025**		3 P 2694 **3021**(4)(5) 4 P 2694 **4021**(4)(5)	3 P 1509 **3025** 4 P 1509 **4025**
	4 P	4190 **4025**(1)							
400 A	3 P	4190 **3039**(1)				4109 **0039**			
	4 P	4190 **4039**(1)							
500 A	3 P	4190 **3050**(1)				4109 **0050**		3 P 2694 **3051**(4)(5) 4 P 2694 **4051**(4)(5)	3 P 1509 **3063**(6) 4 P 1509 **4063**(6)
	4 P	4190 **4050**(1)							
630 A	3 P	4190 **3063**(1)				4109 **0063**			
	4 P	4190 **4063**(1)							
800 A	3 P	4190 **3080**(1)	Black 2799 **7052**(2)	S4 type Black IP65 1443 **3114**(2)	200 mm 1401 **1520** 320 mm 1401 **1532**(2)	4109 **0080**			3 P 1509 **3080**(6) 4 P 1509 **4080**(6)
	4 P	4190 **4080**(1)							
1250 A	3 P	4190 **3120**(1)				4109 **0120**			
	4 P	4190 **4120**(1)							
1600 A	3 P	4190 **3160**(1)				4109 **0160**			3 P 1509 **3160**(6) 4 P 1509 **4160**(6)
	4 P	4190 **4160**(1)							
1800 A	3 P	4190 **3180**							
	4 P	4190 **4180**							

(1) Available enclosed (see "Enclosed changeover switches" page 625).
(2) Standard.
(3) 2 pieces supplied, one for position I and one for position II.
(4) To fully shroud front, rear, top and bottom 4 references required.
(5) To shroud front switch top and bottom 2 references required.
(6) 2pieces supplied, one for top side and another for bottom side.

References (continued)

SIRCOVER Bypass

Rating (A)	No. of poles	Switch body I-0-II	Direct handle	External handle	Shaft for external handle	Bridging bar	Auxiliary contact	Terminal shrouds	Terminal screens
125 A	3 + 6 P	4100 **7013**(1)	Black 4199 **5012**	S2 type Black IP55 1421 **2113**(2) Black IP65 1423 **2113**	200 mm 1400 **1020** 320 mm 1400 **1032**(2)	4109 **0019**	1st/2nd contact NO/NC 4109 **0021**(3)	3 P 2694 **3014**(4)(5) 4 P 2694 **4014**(4)(5)	3 P 1509 **3012** 4 P 1509 **4012**
	4 + 8 P	4100 **9013**(1)							
160 A	3 + 6 P	4100 **7016**(1)							
	4 + 8 P	4100 **9016**(1)							
200 A	3 + 6 P	4100 **7019**							
	4 + 8 P	4100 **9019**							
250 A	3 + 6 P	4100 **7025**(1)	Black 2799 **7052**	S3 type Black IP65 1433 **3113**	200 mm 1401 **1520** 320 mm 1401 **1532**(2)	4109 **0025**		3 P 2694 **3021**(4)(5) 4 P 2694 **4021**(4)(5)	3 P 1509 **3025** 4 P 1509 **4025**
	4 + 8 P	4100 **9025**(1)							
400 A	3 + 6 P	4100 **7039**(1)				4109 **0039**			
	4 + 8 P	4100 **9039**(1)							
500 A	3 + 6 P	4100 **7050**(1)				4109 **0050**		3 P 2694 **3051**(4)(5) 4 P 2694 **4051**(4)(5)	3 P 1509 **3063**(6) 4 P 1509 **4063**(6)
	4 + 8 P	4100 **9050**(1)							
630 A	3 + 6 P	4100 **7063**(1)				4109 **0063**			
	4 + 8 P	4100 **9063**(1)							
800 A	3 + 6 P	4100 **7080**(1)	Black 2799 **7012**	Black IP65 4199 **7146**	200 mm 2799 **3015** 320 mm 2799 **3018**(2) 450 mm 2799 **3019**	4109 **0080**			3 P 1509 **3080**(6) 4 P 1509 **4080**(6)
	4 + 8 P	4100 **9080**(1)							
1250 A	3 + 6 P	4100 **7120**(1)				4109 **0120**			
	4 + 8 P	4100 **9120**(1)							
1600 A	3 + 6 P	4100 **7160**(1)				4109 **0160**			3 P 1509 **3160**(6)
	4 + 8 P	4100 **9160**(1)							4 P 1509 **4160**(6)

(1) Available enclosed (see "Enclosed changeover switches" page 625).
(2) Standard.
(3) 2 pieces supplied, one for position I and one for position II.
(4) To shroud front switch top and bottom 3 references required.
(5) To fully shroud front, rear, top and bottom 6 references required.
(6) 2 pieces supplied, one for top side and another for bottom side.

Accessories

Direct operation handle

SIRCOVER AC I-0-II

Rating (A)	Handle colour	Handle type	Reference
125 … 630	Blue	J2 type	1122 **1111**
125 … 630	Red	J2 type	1123 **1111**
800 … 1800	Blue	J3 type	1132 **1111**
800 … 1800	Red	J3 type	1133 **1111**
2000 … 3200	Black	S5 type	2799 **7042**(1)

SIRCOVER I - I+II - II

Rating (A)	Handle colour	Handle type	Reference
125 … 630	Black	B3 type	4199 **5012**
800 … 1800	Black	C1 type	2799 **7052**

SIRCOVER Bypass

Rating (A)	Handle colour	Handle type	Reference
125 … 200	Black	B3 type	4199 **5012**
250 … 630	Black	C1 type	2799 **7052**
800 … 1600	Black	C2 type	2799 **7012**(1)

(1) Double lever handle

J2 type handle *C1 type handle* *C2 type handle*

External operation handle

Use

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

SIRCOVER AC I-0-II and SIRCOVER I-I+II-II

Rating (A)	Switching type	External IP(1)	Handle	Reference
125 … 630	I - 0 - II	IP55	S2 type	1421 **2113**
125 … 630	I - 0 - II	IP65	S2 type	1423 **2113**
125 … 630	I - I+II - II	IP65	S2 type	1423 **2114**
800 … 1800	I - 0 - II	IP65	S4 type	1443 **3113**(2)
800 … 1800	I - I+II - II	IP65	S4 type	1443 **3114**(2)
2000 … 3200	I - 0 - II	IP65	S5 type	1453 **8113**(2)

(1) IP : protection degree according to IEC 60529 standard.
(2) Double lever handle.

SIRCOVER Bypass

Rating (A)	Switching type	External IP(1)	Handle	Reference
125 … 200	I - 0 - II	IP55	S2 type	1421 **2113**
125 … 200	I - 0 - II	IP65	S2 type	1423 **2113**
250 … 630	I - 0 - II	IP65	S3 type	1433 **3113**
800 … 1600	I - 0 - II	IP65	V2 type	4199 **7146**

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

S2 type handle *S3 type handle* *S4 type handle* *S5 type handle*

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.

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**

S-type handle adapter

Use

Enables S-type handles to be fitted in place of existing older style SOCOMEC handles. Adapter can also be utilised as a spacer to increase the distance between the panel door and the handle lever.

Dimensions

Adds 12 mm to the depth.

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.

Accessories (continued)

Shaft guide for external operation

Use

To guide the shaft extension into the external handle.

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

Required for shaft lengths over 320 mm.

Description	Reference
Shaft guide	1429 **0000**

Shaft for external handle

Use

Standard lengths:
- 200 mm,
- 320 mm,
- 450 mm.

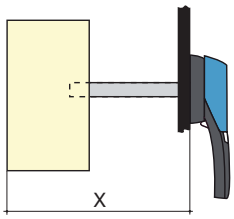
Other lengths: Please consult us.

SIRCOVER AC I-0-II and SIRCOVER I-I+II-II

Rating (A)	Length (mm)	Dimension X (mm)	Reference
125 ... 400	200	210 ... 310	1400 **1020**
125 ... 400	320	210 ... 430	1400 **1032**
500 ... 630	200	280 ... 390	1400 **1020**
500 ... 630	320	280 ... 510	1400 **1032**
800 ... 1800	200	425 ... 577	1401 **1520**
800 ... 1800	320	425 ... 697	1401 **1532**
2000 ... 3200	200	653 ... 803	2799 **3015**
2000 ... 3200	320	653 ... 923	2799 **3018**
2000 ... 3200	450	653 ... 1053	2799 **3019**

SIRCOVER Bypass

Rating (A)	Length (mm)	Dimension X (mm)	Reference
125 ... 200	200	320 ... 450	1400 **1020**
125 ... 200	320	320 ... 570	1400 **1032**
250 ... 400	200	298 ... 420	1401 **1520**
250 ... 400	320	298 ... 540	1401 **1532**
500 ... 630	200	417 ... 539	1401 **1520**
500 ... 630	320	417 ... 659	1401 **1532**
800 ... 1600	200	550 ... 680	2799 **3015**
800 ... 1600	320	550 ... 800	2799 **3018**
800 ... 1600	450	550 ... 930	2799 **3019**



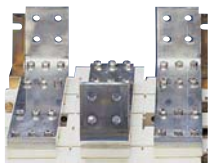
Bridging bars

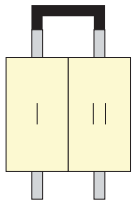
Use

For creating a common connection between switches I & II, on the top or bottom side of the SIRCOVER, to enable, for example, the load to be fed from either incoming source (I or II).

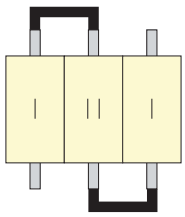
For SIRCOVER Bypass, two sets of bridging bars are needed as the switch is composed of three basic switch frames.

SIRCOVER AC I-0-II and SIRCOVER I-I+II-II





SIRCOVER Bypass



Rating (A)	Section (mm)	Reference
125 ... 200	20 x 2.5	4109 **0019**
250	25 x 2.5	4109 **0025**
315 ... 400	32 x 5	4109 **0039**
500	32 x 5	4109 **0050**
630	50 x 5	4109 **0063**
800 ... 1000	50 x 6	4109 **0080**
1250	60 x 8	4109 **0120**
1600 ... 1800	90 x 10	4109 **0160**

Copper bar connection kits from 2000 to 3200 A - SIRCOVER

Use

Enables:

- connection between the two power terminals of the same pole for 2000 to 3200 A ratings (Fig. 1 and Fig 2).
- top or bottom bridging connection (Fig. 3).

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

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

Fig. 1

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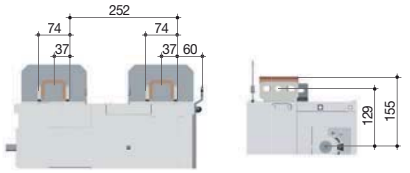

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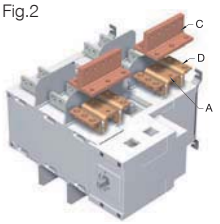
Top or bottom flat connection - Fig. 1

Rating (A)	Piece	Quantity to order per pole(1)	Reference
2000 … 2500	Connection - part A	2	2619 **1200**
2000 … 2500	Bolt set - part B	2	2699 **1200**
3200	Connection - part A		included
3200	Bolt set - part B	2	2699 **1200**

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

Fig.2



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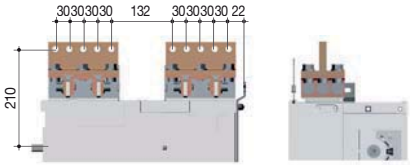

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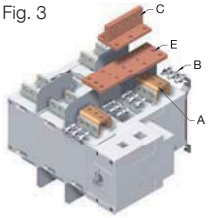
Top or bottom edgewise connection - Fig. 2

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

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

Fig. 3



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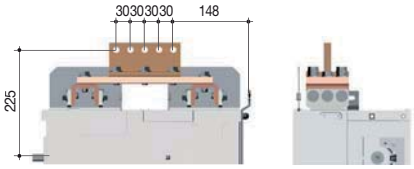

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Top or bottom bridging connection - Fig. 3

Rating (A)	Piece	Quantity to order per pole(1)	Reference
2000 … 2500	Connection - part A	2	2619 **1200**
2000 … 2500	Bolt set - part B	2	2699 **1200**
2000 … 2500	Bar - part E	1	4109 **0250**(2)
2000 … 2500	T piece - part C	1	2629 **1200**(2)
3200	Connection - part A		included
3200	Bolt set - part B	2	2699 **1200**
3200	Bar - part E	1	4109 **0320**(2)
3200	T piece - part C	1	2629 **1200**(2)

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

Auxiliary contact

Use

Pre breaking and signalling of positions I and II: 1 or 2 NO/NC auxiliary contacts in each position.
Low level auxiliary contacts: Please consult us.

Connection to the control circuit

6.35 mm fast-on terminal.

Electrical characteristics

30 000 operations.

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acces_065_a_1_cat

Characteristics

Rating (A)	Nominal current (A)	Operating current I_e (A) A - 250 13 VAC	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
125 … 3200	16	12	8	14	6

NO/NC changeover contact		
Rating (A)	**Contact(s)**	**Reference**
125 … 1800	1st/2nd	4109 **0021**
2000 … 3200	1st	included

Accessories (continued)

Terminal shrouds

Use
Protection against direct contact with terminals or connecting parts.

Advantage
Perforations allow remote thermographic inspection without the need to remove the shrouds.


acces_206_a_2_cat

Rating (A)	No. of poles	Position	Reference
125 ... 200	3 P	top / bottom / front (I) / rear (II)	2694 **3014**(1)(2)
125 ... 200	4 P	top / bottom / front (I) / rear (II)	2694 **4014**(1)(2)
250 ... 400	3 P	top / bottom / front (I) / rear (II)	2694 **3021**(1)(2)
250 ... 400	4 P	top / bottom / front (I) / rear (II)	2694 **4021**(1)(2)
500 ... 630	3 P	top / bottom / front (I) / rear (II)	2694 **3051**(1)(2)
500 ... 630	4 P	top / bottom / front (I) / rear (II)	2694 **4051**(1)(2)

(1) To shroud front switch top and bottom 4 references required for a SIRCOVER and 6 references for a SIRCOVER Bypass.
(2) To shroud front switch top and bottom 2 references required for a SIRCOVER and a SIRCOVER Bypass.

Terminal screens

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


acces_207_a_2_cat

Rating (A)	No. of poles	Position	Reference
125 ... 200	3 P	top / bottom	1509 **3012**
125 ... 200	4 P	top / bottom	1509 **4012**
250 ... 400	3 P	top / bottom	1509 **3025**
250 ... 400	4 P	top / bottom	1509 **4025**
500 ... 630	3 P	top / bottom	1509 **3063**
500 ... 630	4 P	top / bottom	1509 **4063**
800 ... 1250	3 P	top / bottom	1509 **3080**
800 ... 1250	4 P	top / bottom	1509 **4080**
1600 ... 1800	3 P	top / bottom	1509 **3160**
1600 ... 1800	4 P	top / bottom	1509 **4160**
2000 ... 3200	3 / 4 P	top / bottom	included

Key handle interlocking system

Padlocking in position I, 0 or II

Rating (A) SIRCOVER	Rating (A) SIRCOVER Bypass	Operation	Figure	Reference
125 … 630	125 … 200	external	1	1423 **2813**

Locking using RONIS EL11AP lock in position 0 (not included)

Rating (A) SIRCOVER	Rating (A) SIRCOVER Bypass	Operation	Figure	Reference
125 … 630	125 … 200	direct	2	4109 **1006**(1)
	250 … 630	direct	3	Please consult us
800 … 1800	800 … 1600	direct	3	4109 **1004**(2)
2000 … 3200		direct	3	4109 **2007**(2)
125 … 1800	125 … 630	external	4	1499 **7701**(2)
2000 … 3200	800 … 1600	external	4	2799 **7002**(2)

(1) Specific handle included.
(2) This locking facility can be configured by the user in the 3 positions.

Locking using RONIS EL11AP lock in position I, 0, II (not included)

Rating (A) SIRCOVER	Rating (A) SIRCOVER Bypass	Operation	Figure	Reference
125 … 630	125 … 200	direct	2	4109 **1002**(1)
	250 … 630	direct	3	Please consult us
800 … 1800	800 … 1600	direct	3	4109 **1004**(2)
2000 … 3200		direct	3	4109 **2007**(2)
125 … 1800	125 … 630	external	4	1499 **7701**(2)
2000 … 3200	800 … 1600	external	4	2799 **7002**(2)

(1) Specific handle included.
(2) This locking facility can be configured by the user in the 3 positions.

Locking using 230 VAC undervoltage coil in position (factory fitted)

Rating (A) SIRCOVER	Rating (A) SIRCOVER Bypass	Operation	Figure	Reference
800 … 3200	800 … 1600	direct	3	Please consult us

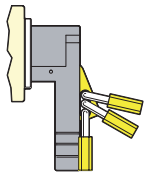
Locking using type K CASTELL lock (not supplied)

Rating (A) SIRCOVER	Rating (A) SIRCOVER Bypass	Operation	Figure	Reference
125 … 1800	125 … 630	external	4	1499 **7702**
2000 … 3200	800 … 1600	external	4	2799 **7003**

Use

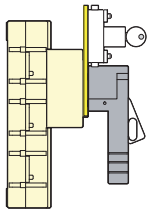
- Using padlock (not supplied).This device is factory mounted in the direct or external operation handle and allows the use of up to 3 padlocks.
- Locking:
- - using lock (not supplied)
- - using undervoltage coil.
- The interlocking positions are either determined as standard or configured by the user by removing the pre-formed tabs.
- Padlocking and locking can be combined.

Fig. 1



acces_061_a_1_x_cat

Fig.2

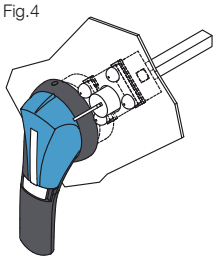


acces_001_a_1_x_cat

Fig. 3

acces_132_a_1_x_cat

Fig.4



acces_158_a_1_x_cat

Other specific accessories

bd_03_04_01

- Customised protection screens (for specific dimensions or high ambient temperatures).
- Inter phase barrier.
- Connection accessories.
- Low level auxiliary contacts.

SIRCOVER AC I-0-II - Characteristics according to IEC 60947-3 and IEC 60947-6-1

125 to 630 A

Thermal current I_{th} at 40°C		**125 A**	**160 A**	**200 A**	**250 A**	**315A**	**400 A**	**500 A**	**630 A**
Rated insulation voltage U_i (V)		800	800	800	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)		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)**
415 VAC	AC-20 A / AC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
415 VAC	AC-21 A / AC-21 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
415 VAC	AC-22 A / AC-22 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
415 VAC	AC-23 A / AC-23 B	125/125	160/160	200/200	200/200	315/315	400/400	500/500	630/630
500 VAC	AC-20 A / AC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
500 VAC	AC-21 A / AC-21 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
500 VAC	AC-22 A / AC-22 B	125/125	160/160	200/200	200/250	200/315	200/400	500/500	500/500
500 VAC	AC-23 A / AC-23 B	80/80	80/80	80/80	200/200	200/200	200/200	400/400	400/400
690 VAC	AC-20 A / AC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
690 VAC	AC-21 A / AC-21 B	125/125	160/160	200/200	200/200	200/200	200/200	500/500	500/500
690 VAC	AC-22 A / AC-22 B	125/125	125/125	125/125	160/160	160/160	160/160	400/400	400/400
690 VAC	AC-23 A / AC-23 B	63/80	63/80	63/80	125/125	125/125	125/125	400/400	400/400
220 VDC(2)	DC-20 A / DC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
220 VDC(2)	DC-21 A / DC-21 B	125/125	160/160	200/200	250/250	250/250	250/250	500/500	630/630
220 VDC(2)	DC-22 A / DC-22 B	125/125	160/160	200/200	250/250	250/250	250/250	500/500	630/630
220 VDC(2)	DC-23 A / DC-23 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630
440 VDC(2)	DC-20 A / DC-20 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
440 VDC(2)	DC-21 A / DC-21 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630
440 VDC(2)	DC-22 A / DC-22 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630
440 VDC(2)	DC-23 A / DC-23 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630
Operational power in AC-23 (kW)									
At 400 VAC without pre-break in AC(3)		63/63	80/80	80/80	132/132	132/132	280/280	280/280	450/450
At 690 VAC without pre-break in AC(3)		55/75	55/75	55/75	90/110	90/110	150/185	150/185	185/220
Reactive power (kvar)									
At 400 VAC (5)		55	75	90	115	145	185	230	290
Rated operational currents Ie (A) according to IEC 60947-6-1									
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)**
415 VAC	AC-31 A / AC-31 B	125	160	200	250	315	400	500	630
415 VAC	AC-32 A / AC-32 B				200	315	400	500	500
415 VAC	AC-33 A / AC-33 B				200	200	200	400	400
Fuse protected short-circuit withstand as per IEC 60947-3 at 690 VAC									
Prospective short-circuit current (kA rms)		100 (5)	100 (5)	50 (5)	50	50	50	50	50
Associated fuse rating (A)		125	160	200	250	315	400	500	630
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s(4)									
Rated short-time withstand current 0.3s Icw (kA rms)		12 (5)	12 (5)	12 (5)	15	15	15	17	17
Short-circuit withstand without protection as per IEC 60947-3 at 690 VAC									
Rated short-time withstand current 1s Icw (kA rms)		7 (5)	7 (5)	7 (5)	8	8	8	10	10
Rated short-circuit making capacity Icm (kA peak)		11.9	11.9	11.9	22	22	22	17	17
Rated short-time withstand current 60ms Icw (kA rms) as per IEC 60947-6-1 at 415 VAC					10 (6)	10 (6)	10 (6)	10	12.6
Connection									
Minimum Cu cable cross-section (mm^2)		35	50	70	95	150	185	240	2 x 150
Minimum Cu busbar cross-section (mm^2)									2 x 30 x 5
Maximum Cu cable cross-section (mm^2)		50	95	120	150	240	240	2 x 185	2 x 300
Maximum Cu busbar width (mm)		25	25	25	32	32	32	50	50
Tightening torque mini / maxi (Nm)		9/13	9/13	9/13	20/26	20/26	20/26	20/26	20/26
Mechanical characteristics									
Durability (number of operating cycles)		10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
Weight of 3 P switch (kg)		2.9	2.9	2.9	3.8	3.9	3.9	8.6	9.1
Weight of 4 P switch (kg)		4.1	4.1	4.1	4.6	4.9	4.9	10.4	11.1

(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".4-pole device with 2 pole in series by polarity.
(3) The power value is given for information only, the current values vary from one manufacturer to another.
(4) Value for coordination with any circuit breaker that ensures tripping in less than 0.3s. For coordination with specific circuit-breaker references, higher short-circuit current values are available. Please consult us.
(5) Data at 415 VAC
(6) Data at 30 ms

800 to 3200 A

Thermal current I_{th} at 40°C		800 A	1000 A	1250 A	1600 A	1800 A	2000 A	2500 A	3200 A
Rated insulation voltage U_i (V)		1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)		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]**
415 VAC	AC-20 A / AC-20 B	800/800	1000/1000	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3200/3200
415 VAC	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1600/1600	1800/1800	-/2000	-/2500	-/3200
415 VAC	AC-22 A / AC-22 B	800/800	1000/1000	1250/1250	1600/1600	1600/1600	-/2000	-/2500	-/3200
415 VAC	AC-23 A / AC-23 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250	-/1600	-/1600	-/1600
500 VAC	AC-20 A / AC-20 B	800/800	1000/1000	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3200/3200
500 VAC	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1600/1600	1600/1600	-/2000	-/2500	-/3200
500 VAC	AC-22 A / AC-22 B	630/630	800/800	1000/1000	1000/1000	1000/1000			
500 VAC	AC-23 A / AC-23 B	400/400	630/630	800/800	800/800	800/800			
690 VAC	AC-20 A / AC-20 B	800/800	1000/1000	1250/1250	1600/1600	1800/1800	2000/2000	2500/2500	3200/3200
690 VAC	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1600/1600	1600/1600	-/2000	-/2500	-/3200
690 VAC	AC-22 A / AC-22 B	630/630	800/800	1000/1000	1600/1600	1600/1600			
690 VAC	AC-23 A / AC-23 B	400/400	630/630	800/800	1000/1000	1000/1000			
220 VDC[2]	DC-20 A / DC-20 B	800/800	1000/1000	1250/1250	1600/1600	1800/1800			
220 VDC[2]	DC-21 A / DC-21 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250			
220 VDC[2]	DC-22 A / DC-22 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250			
220 VDC[2]	DC-23 A / DC-23 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250			
440 VDC[2]	DC-20 A / DC-20 B	800/800	1000/1000	1250/1250	1600/1600	1800/1800			
440 VDC[2]	DC-21 A / DC-21 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250			
440 VDC[2]	DC-22 A / DC-22 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250			
440 VDC[2]	DC-23 A / DC-23 B	800/800	1000/1000	1250/1250	1250/1250	1250/1250			
Operational power in AC-23 (kW)									
At 400 VAC without pre-break in AC[3]		710/710	710/710	710/710	710/710	710/710	710/710		
At 690 VAC without pre-break in AC[3]		185/220	475/475	475/475	750/750	750/750	750/750		
Reactive power (kvar)									
At 400 VAC [5]		365	460	575					
Rated operational currents Ie (A) according to IEC 60947-6-1									
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]**
415 VAC	AC-31 A / AC-31 B	800	1000	1250	1600	1800	2000	2500	3200
415 VAC	AC-32 A / AC-32 B	800	1000	1250	1600	1600	2000	2000	2000
415 VAC	AC-33 A / AC-33 B	800	800	800	1000	1000	1250	1250	1250
Fuse protected short-circuit withstand as per IEC 60947-3 at 415 VAC									
Prospective short-circuit current (kA rms)		50	100	100	100	100			
Associated fuse rating (A)		800	1000	1250	2 x 800	2 x 800			
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s[4]									
Rated short-time withstand current 0.3s Icw (kA rms)		47	64	64	78	78	78	78	78
Short-circuit withstand without protection as per IEC 60947-3 at 415 VAC									
Rated short-time withstand current 1s Icw (kA rms)		26	35	35	50	50	50	50	50
Rated short-circuit making capacity Icm (kA peak)		48	73.5	73.5	110	110	110	110	110
Rated short-time withstand current 60ms Icw (kA rms) as per IEC 60947-6-1 at 415 VAC		16	20	25	32	32	40	50	50
Connection									
Minimum 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 80 x 5	3 x 100 x 5	2 x 100 x 10	2 x 100 x 10	2 x 100 x 10
Maximum Cu cable cross-section (mm^2)		2 x 300	4 x 185	4 x 185	6 x 185	6 x 185			
Maximum Cu busbar width (mm)		63	63	63	100	100	100	100	100
Tightening torque min (Nm)		20/26	20/26	20/26	40/45	40/45	40/45	40/45	40/45
Mechanical characteristics									
Durability (number of operating cycles)		10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
Weight of 3 P switch (kg)		20.5	21.0	21.6	25.7	25.7	42.0	42.0	52.3
Weight of 4 P switch (kg)		24.8	25.6	26.2	32.0	32.0	52.9	52.9	66.6

(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".4-pole device with 2 pole in series by polarity.
(3) The power value is given for information only, the current values vary from one manufacturer to another.
(4) Value for coordination with any circuit breaker that ensures tripping in less than 0.3s. For coordination with specific circuit-breaker references, higher short-circuit current values are available. Please consult us.
(5) Data at 415 VAC.

SIRCOVER I-I+II -II and SIRCOVER Bypass - Characteristics according to IEC 60947-3

125 to 400 A

Thermal current I_{th} at 40°C		**125 A**	**160 A**	**200 A**	**250 A**	**400 A**
Rated insulation voltage U_i (V)		800	800	800	800	800
Rated impulse withstand voltage U_{imp} (kV)		8	8	8	8	8
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]**
415 VAC	AC-20 A / AC-20 B	125/125	160/160	200/200	250/250	400/400
415 VAC	AC-21 A / AC-21 B	125/125	160/160	200/200	250/250	400/400
415 VAC	AC-22 A / AC-22 B	125/125	160/160	160/160	250/250	250/250
415 VAC	AC-23 A / AC-23 B	125/125	160/160	160/160	250/250	250/250
690 VAC[2]	AC-20 A / AC-20 B	125/125	160/160	200/200	250/250	400/400
690 VAC[2]	AC-21 A / AC-21 B	125/125	160/160	160/160	200/250	200/250
690 VAC[2]	AC-22 A / AC-22 B	125/125	125/125	125/125	125/160	125/160
690 VAC[2]	AC-23 A / AC-23 B	63/80	63/80	63/80	100/125	100/125
220 VDC	DC-20 A / DC-20 B	125/125	160/160	200/200	250/250	400/400
220 VDC	DC-21 A / DC-21 B	125/125	160/160	160/160	250/250	250/250
220 VDC	DC-22 A / DC-22 B	125/125	160/160	160/160	250/250	250/250
220 VDC	DC-23 A / DC-23 B	125/125	125/125	125/125	200/200	200/200
440 VDC	DC-20 A / DC-20 B	125/125	160/160	200/200	250/250	400/400
440 VDC	DC-21 A / DC-21 B	125[3]/125[3]	125[3]/125[3]	125[3]/125[3]	200[3]/200[3]	200[3]/200[3]
440 VDC	DC-22 A / DC-22 B	125[3]/125[3]	125[3]/125[3]	125[3]/125[3]	200[3]/200[3]	200[3]/200[3]
440 VDC	DC-23 A / DC-23 B	125[4]/125[4]	125[4]/125[4]	125[4]/125[4]	200[4]/200[4]	200[4]/200[4]
Operational power in AC-23 (kW)						
At 400 VAC without pre-break in AC[1][5]		63/63	80/80	80/80	132/132	132/132
At 690 VAC without pre-break in AC[1][5]		55/75	55/75	55/75	90/110	90/110
Reactive power (kvar)						
At 400 VAC [5]		55	75	90	115	185
Fuse protected short-circuit withstand as per IEC 60947-3 at 400 VAC						
Prospective short-circuit current (kA rms)		100	100	50	50	18
Associated fuse rating (A)		125	160	200	250	400
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s[6]						
Rated short-time withstand current 0.3s Icw (kA rms)		15	15	15	17	17
Short-circuit capacity (without protection)						
Rated short-time withstand current 1s Icw (kA rms)		8	8	8	9	9
Connection						
Minimum Cu cable cross-section (mm^2)		35	50	50	95	185
Minimum Cu busbar cross-section (mm^2)						
Maximum Cu cable cross-section (mm^2)			50	95	95	150
Maximum Cu busbar width (mm)		25	25	25	32	32
Tightening torque min (Nm)		9	9	9	20	20
Mechanical characteristics						
Durability (number of operating cycles)		10000	10000	10000	10000	10000
Weight of 3 P switch (kg)		2.9	2.9	2.9	3.8	3.9
Weight of 4 P switch (kg)		4.1	4.1	4.1	4.6	4.9

(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) With terminal shrouds or phase barrier.
(3) 4-pole device with 2 poles in series per polarity.
(4) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".
(5) The power value is given for information only, the current values vary from one manufacturer to another.
(6) Value for coordination with any circuit breaker that ensures tripping in less than 0.3s. For coordination with specific circuit-breaker references, higher short-circuit current values are available. Please consult us.

500 to 1800 A

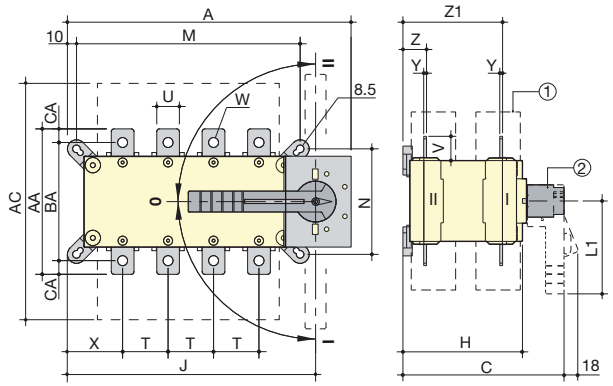
Thermal current I_{th} at 40°C		**500 A**	**630 A**	**800 A**	**1250 A**	**1600 A**	**1800 A**
Rated insulation voltage U_i (V)		800	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)		8	12	12	12	12	12
Rated operational currents I_e (A)							
Rated voltage	**Utilisation category**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**	**A/B(1)**
415 VAC	AC-20 A / AC-20 B	500/500	630/630	800/800	1250/1250	1600/1600	1800/1800
415 VAC	AC-21 A / AC-21 B	500/500	630/630	800/800	1250/1250	1600/1600	1800/1800
415 VAC	AC-22 A / AC-22 B	500/500	630/630	800/800	1250/1250	1600/1600	1800/1800
415 VAC	AC-23 A / AC-23 B	500/500	500/500	800/800	1250/1250	1250/1250	1250/1250
690 VAC(2)	AC-20 A / AC-20 B	500/500	630/630	800/800	1250/1250	1600/1600	1800/1800
690 VAC(2)	AC-21 A / AC-21 B	400/400	500/500	800/800	800/800	1000/1000	1000/1000
690 VAC(2)	AC-22 A / AC-22 B	250/315	315/315	800/800	800/800	1000/1000	1000/1000
690 VAC(2)	AC-23 A / AC-23 B	160/200	160/200	200/250	200/250	500/500	500/500
220 VDC	DC-20 A / DC-20 B	500/500	630/630	800/800	1250/1250	1600/1600	1800/1800
220 VDC	DC-21 A / DC-21 B	500/500	630/630	800/800	1250/1250	1250/1250	1250/1250
220 VDC	DC-22 A / DC-22 B	400/500	500/500	800/800	1250/1250	1250/1250	1250/1250
220 VDC	DC-23 A / DC-23 B	400/500	500/500	800/800	1250/1250	1250/1250	1250/1250
440 VDC	DC-20 A / DC-20 B	500/500	630/630	800/800	1250/1250	1600/1600	1800/1800
440 VDC	DC-21 A / DC-21 B	400(3)/400(3)	500(3)/500(3)	800(3)/800(3)	1250(3)/1250(3)	1250(3)/1250(3)	1250(3)/1250(3)
440 VDC	DC-22 A / DC-22 B	315(3)/400(3)	500(3)/500(3)	800(3)/800(3)	1250(3)/1250(3)	1250(3)/1250(3)	1250(3)/1250(3)
440 VDC	DC-23 A / DC-23 B	400(4)/400(4)	500(4)/500(4)	800(3)/800(3)	1250(3)/1250(3)	1250(3)/1250(3)	1250(3)/1250(3)
Operational power in AC-23 (kW)							
At 400 VAC without pre-break in AC(1)(5)		280/280	280/280	450/450	710/710	710/710	710/710
At 690 VAC without pre-break in AC(1)(5)		150/185	150/185	185/220	185/220	475/475	475/475
Reactive power (kvar)							
At 400 VAC (5)		230	290	365	575		
Fuse protected short-circuit withstand as per IEC 60947-3 at 400 VAC							
Prospective short-circuit current (kA rms)		100	70	50	100	100	100
Associated fuse rating (A)		500	630	800	1250	2 x 800	2 x 800
Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s(6)							
Rated short-time withstand current 0.3s Icw (kA rms)		25	25	50	65	100	100
Short-circuit capacity (without protection)							
Rated short-time withstand current 1s Icw (kA rms)		14	25	50	65	100	100
Connection							
Minimum Cu cable cross-section (mm^2)		240	2 x 150	2 x 185			
Minimum Cu busbar cross-section (mm^2)			2 x 30 x 5	2 x 40 x 5	2 x 60 x 5	2 x 80 x 5	2 x 80 x 5
Maximum Cu cable cross-section (mm^2)		240	240	2 x 300	2 x 300	4 x 185	6 x 185
Maximum Cu busbar width (mm)		40	50	63	63	100	100
Tightening torque min (Nm)		20	20	20	20	40	40
Mechanical characteristics							
Durability (number of operating cycles)		5000	5000	3000	3000	3000	3000
Weight of 3 P switch (kg)		9.1	9.1	20.5	21.6	25.7	25.7
Weight of 4 P switch (kg)		11.1	11.1	24.8	26.2	32	32

(1) Category with index A = frequent operation - Category with index B = infrequent operation.
(2) With terminal shrouds or phase barrier.
(3) 4-pole device with 2 poles in series per polarity.
(4) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".
(5) The power value is given for information only, the current values vary from one manufacturer to another.
(6) Value for coordination with any circuit breaker that ensures tripping in less than 0.3s. For coordination with specific circuit-breaker references, higher short-circuit current values are available. Please consult us.

Dimensions

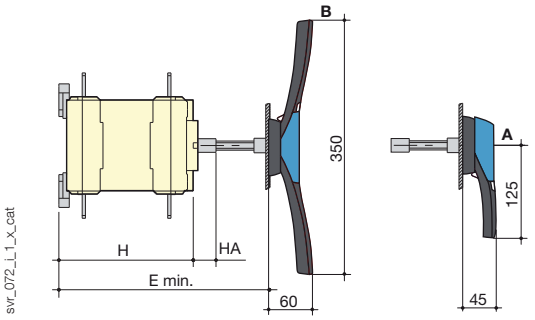
SIRCOVER 125 to1800 A

Direct front operation



A. S2 type handle for external operation: 125 to 630 A
B. S4 type handle for external operation: 800 to 1800 A

External front operation

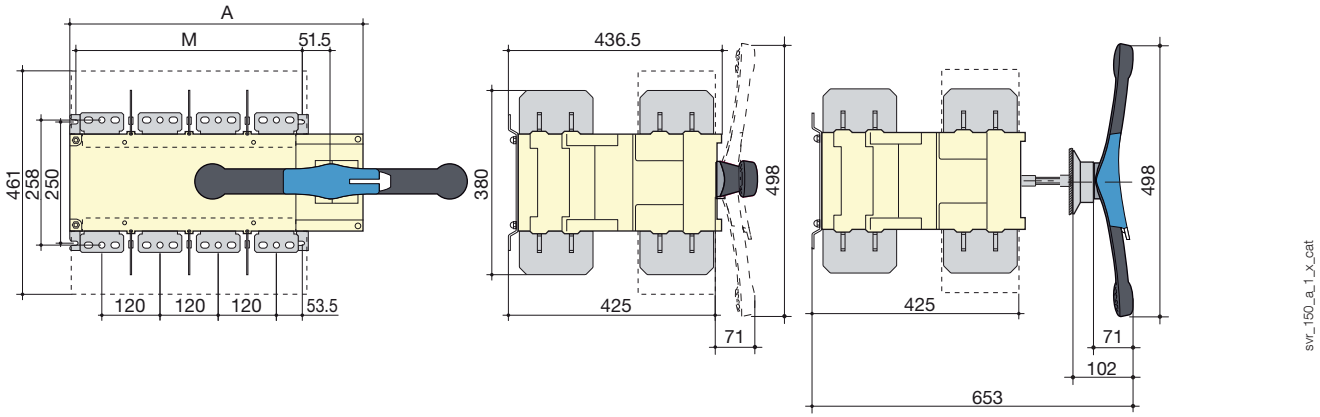


1. Terminal shrouds
2. Direct handle operation:
- 125 to 630 A: L1 = 140 mm,
- 800 to 1800 A: L1 = 210 mm.

Rating (A)	Overall dimensions A 3p.	A 4p.	C	E min	Terminal shrouds AC	Switch body H	HA	J 3p.	J 4p.	Switch mounting M 3p.	M 4p.	N	Connection T	U	V	W	X 3p.	X 4p.	Y	Z	Z1	AA	BA	CA
125	221	251	218	208 … 436	235	148	25	182	212	156	186	101	36	20	25	8.5	56	50	3.5	28	124	135	115	10
160	221	251	218	208 … 436	235	148	25	182	212	156	186	101	36	20	25	8.5	56	50	3.5	28	124	135	115	10
200	221	251	218	208 … 436	235	148	25	182	212	156	186	101	36	20	25	8.5	56	50	3.5	28	124	135	115	10
250	262	312	218	208 … 436	280	148	25	223	273	196	246	116	50	25	30	11	61	61	3.5	30	124	160	130	15
315	262	312	218	208 … 436	280	148	25	223	273	196	246	116	50	35	35	11	61	61	3.5	30	124	170	140	15
400	262	312	218	208 … 436	280	148	25	223	273	196	246	116	50	35	35	11	61	61	3.5	30	124	170	140	15
500	319	379	295	285 … 513	401	225	25	272	332	246	306	176	65	32	37	13	70.5	65.5	5	43	180	235	205	15
630	319	379	295	285 … 513	400	225	25	272	332	246	306	176	65	45	50	13	70.5	65.5	5	43	180	260	220	20
800	386	466	375	425 … 577	459	298	29	306.5	386.5	255	336	250	80	50	60.5	15	48	48	7	66.5	253.5	321		26.5
1000	386	466	375	425 … 577	459	298	29	306.5	386.5	255	336	250	80	50	60.5	15	48	48	7	66.5	253.5	321		26.5
1250	386	466	375	425 … 577	459	298	29	306.5	386.5	255	336	250	80	60	65	16x11	48	48	7	66.5	255.5	330		29.5
1600	478	598	375	425 … 577	461	298	29	388.5	518.5	347	467	250	120	90	43.5	12.5x5	54	54	8	66.5	255.5	288		15
1800	478	598	375	425 … 577	461	298	29	388.5	518.5	347	467	250	120	90	43.5	12.5x5	54	54	8	66.5	255.5	288		15

SIRCOVER 2000 to 3200 A

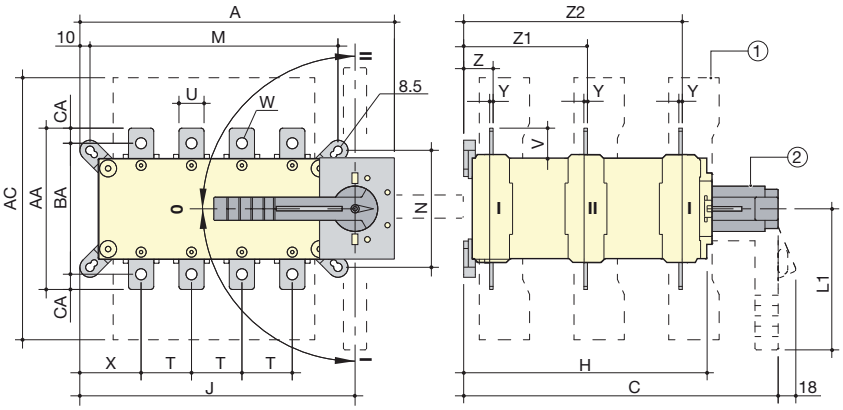
Direct front operation



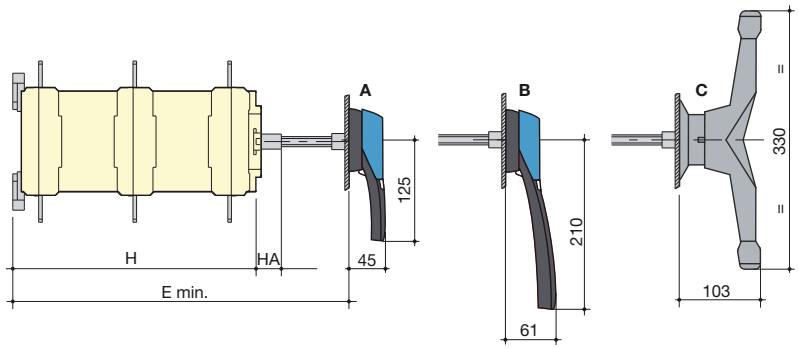
Rating (A)	Overall dimensions A 3p.	A 4p.	Switch mounting M 3p.	M 4p.
2000 … 3200	478	598	347	467

SIRCOVER Bypass 125 to 1600 A

Direct front operation



External front operation



svr_070_i_1_x_cat

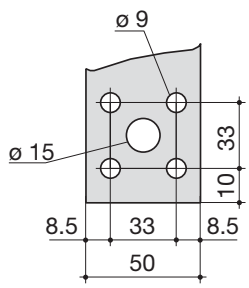
A. S2 type handle for external operation: 125 to 200 A
B. S3 type handle for external operation: 250 to 630 A
C. External double lever handle: 800 to 1600 A

1. Terminal shrouds
2. Direct handle operation:
- 125 to 200 A: L1 = 140 mm,
- 250 to 630 A: L1 = 210 mm,
- 800 to 1600 A: L1 = Ø 330 mm.

	Overall dimensions				Terminal shrouds	Switch body				Switch mounting			Connection											
Rating (A)	A 3+6p.	A 4+8p.	C	E min	AC	H	HA	J 3+6 p.	J 4+8 p.	M 3+6 p.	M 4+8 p.	N	T	U	V	W	X 3+6p.	X 4+8p.	Y	Z	Z1	Z1	AA	BA	CA
125	221	251	313	320	235	243	25	182	212	156	186	101	36	20	25	8.5	56	50	3.5	28	124	219	135	115	10
160	221	251	313	320	235	243	25	182	212	156	186	101	36	20	25	8.5	56	50	3.5	28	124	219	135	115	10
200	221	251	313	320	235	243	25	182	212	156	186	101	36	20	25	8.5	56	50	3.5	28	124	219	135	115	10
250	262	312	313	298	280	243	25	223	273	196	246	116	50	25	30	11	61	61	3.5	30	124	219	160	130	10
400	262	312	313	298	280	243	25	223	273	196	246	116	50	35	35	11	61	61	3.5	30	124	219	170	140	15
500	319	379	432	417	401	362	25	272	332	246	306	176	65	32	37	13	70.5	65.5	5	43	180	317	235	205	15
630	319	379	432	417	400	362	25	272	332	246	306	176	65	45	50	13	70.5	65.5	5	43	180	317	260	220	20
800	386	466	560	550	459	479	29	306.5	386.5	255	335	250	80	50	60.5	15	48	48	7	66.5	253.5	439.5	321		26.5
1250	386	466	560	550	459	479	29	306.5	386.5	255	335	250	80	60	65	16x11	48	48	7	66.5	253.5	439.5	320		29.25
1600	478	598	560	550	461	479	29	388.5	518.5	347	467	250	120	90	43.5	12.5x5	54	54	8	66.5	253.5	439.5	288		15

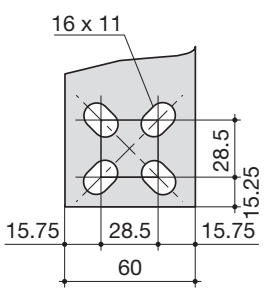
Connection terminals

SIRCOVER and SIRCOVER Bypass 800 A



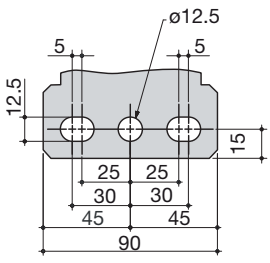
svr_077_a_1_x_cat

SIRCOVER and SIRCOVER Bypass 1250 A



svr_078_b_1_x_cat

SIRCOVER 1600 to 3200 A SIRCOVER Bypass 1600 A



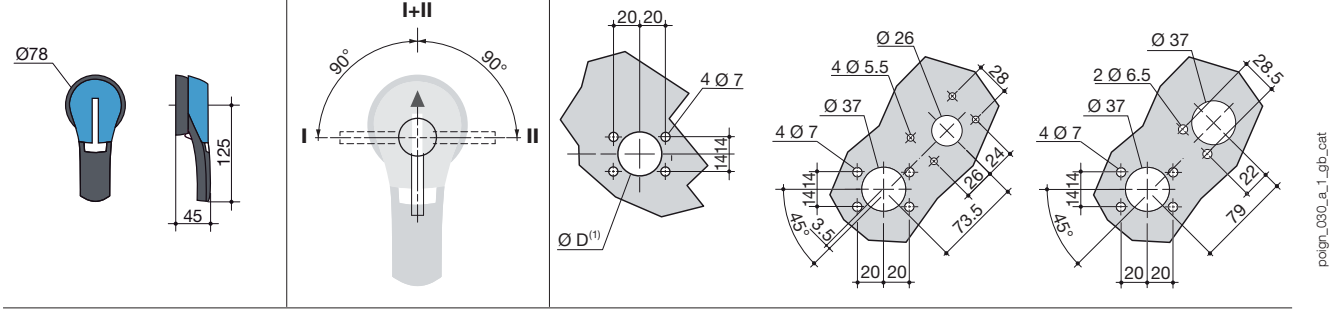
svr_098_a_1_x_cat

Dimensions for external handles

SIRCOVER 125 to 630 A

Front operation

Handle type	Direction of operation	Door drilling
S2 type	0 o I+II	With lock RONIS EL11AP / With lock CASTELL K

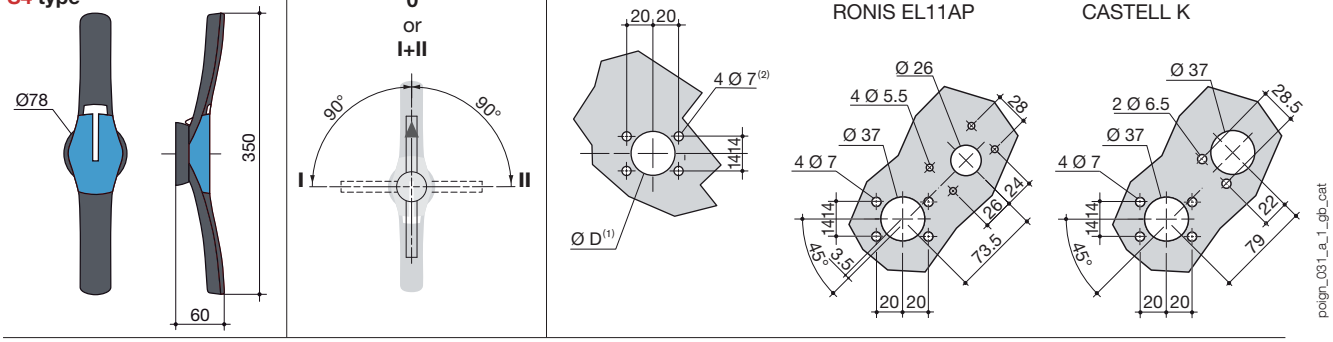


(1) Ø31 to Ø37: Rear screw mounting Ø37: front clip mounting.

SIRCOVER 800 to1800 A

Front operation

Handle type	Direction of operation	Door drilling
S4 type	0 or I+II	With lock RONIS EL11AP / With lock CASTELL K

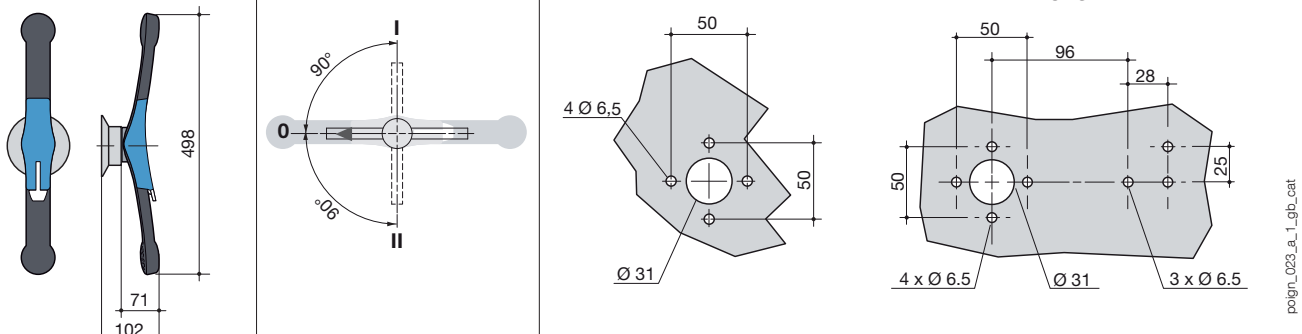


(1) Ø31 to Ø37: Rear screw mounting Ø37: front clip mounting.
(2) Ø6 to Ø7: clip mounting.

SIRCOVER 2000 to 3200 A

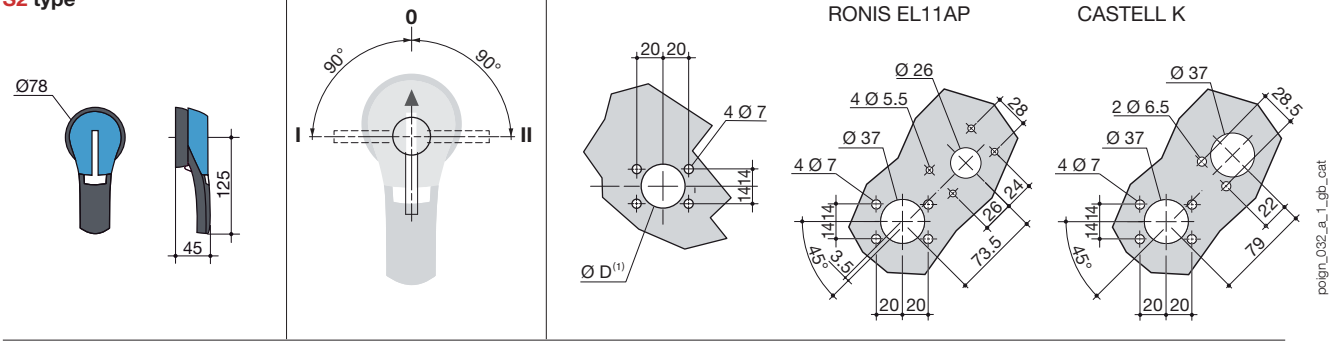
Front operation

Handle type	Direction of operation	Door drilling
S5 type with V Escutcheon		With lock CASTELL K



SIRCOVER Bypass 125 to 200 A

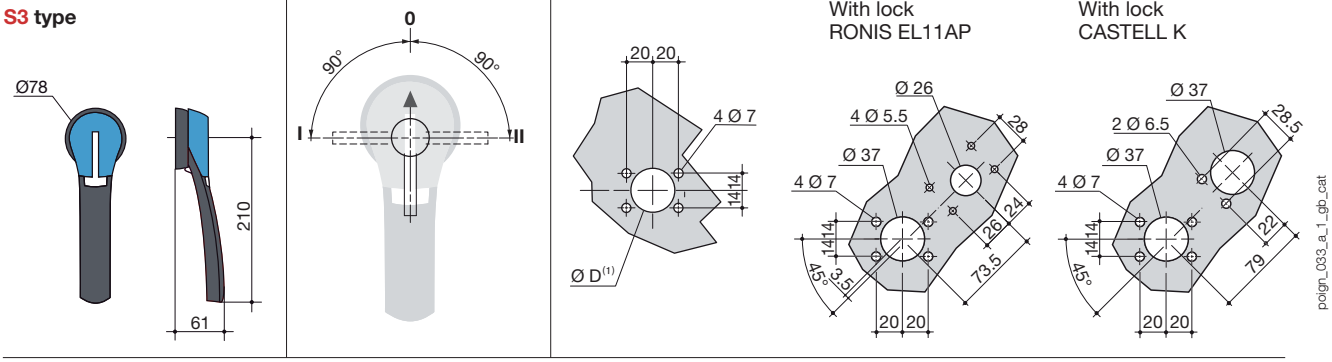
Handle type	Direction of operation	Front operation Door drilling With lock RONIS EL11AP	Front operation Door drilling With lock CASTELL K
S2 type			



(1) Ø31 to Ø37: Rear screw mounting Ø37: front clip mounting.

SIRCOVER Bypass 250 to 630 A

Handle type	Direction of operation	Front operation Door drilling With lock RONIS EL11AP	Front operation Door drilling With lock CASTELL K
S3 type			



(1) Ø31 to Ø37: Rear screw mounting Ø37: front clip mounting.

SIRCOVER Bypass 800 to 1600 A

Handle type	Front operation Direction of operation	Door drilling With lock CASTELL K
C type