

Key handle interlocking system

Use

Locking in position 0 of the front or side operation handle:

- using a padlock (not supplied) and standard padlocking function of the handle. From 125 to 1800 A, padlocking the external front operation handle provides door interlocking,

- using a lock (not supplied): see diagrams opposite,
- using an undervoltage coil: the SIRCO can only be closed if the coil is energised.

For 6 / 8-pole, please consult us.

For SIRCO

Locking using RONIS EL11AP lock (not supplied)

Rating (A) / Frame size	No. of poles	Operation	Figure	Reference
125 ... 630 / B3 ... B5	3/4 P	Front direct	1	2699 6008⁽¹⁾
125 ... 1800 / B3 ... B7	3/4 P	External front	3	1499 7701
800 ... 3200 / B6 ... B8	3/4 P	Front direct	2	2699 6027
1250 ... 5000 / B7 ... B9	3/4 P	External front	4	2799 7002

(1) Front operation handle included.

For SIRCO AC

Locking using RONIS EL11AP lock (not supplied)

Rating (A) / Frame size	No. of poles	Operation	Figure	Reference
200 ... CD 630 / B4 ... B5	3/4 P	Front direct	1	2699 6011⁽¹⁾
630 ... 1600 / B6 ... B7	3/4 P	Front direct	2	2699 6028

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

For SIRCO

Locking using 230 VAC undervoltage coil

(For other voltages, please contact us)

Rating (A) / Frame size	No. of poles	Operation	Reference
125 ... 630 / B3 ... B5	3/4 P	External front	2699 9063⁽¹⁾
800 ... 3200 / B6 ... B8	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) / Frame size	No. of poles	Handle type	Lock type	Operation	Figure	Reference
125 ... 160 / B3	6/8 P	S2	K	External front	2	4109 8507
125 ... 1 800 / B3 ... B8	3/4 P	S2, S4	FS	External front	3	1499 7703
125 ... 1 800 / B3 ... B8	3/4 P	S2, S4	K	External front	3	1499 7702
250 ... 630 / B4 ... B5	6/8 P	S4	K	External front	2	2999 8707
800 ... 1 600 / B6 ... B7	6/8 P	S5	K	External front	2	2799 7003
1 250 ... 4 000 / B7 ... B9	3/4 P	S5, S0	K	External front	2	2799 7003

Fig. 1

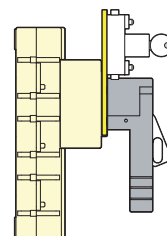


Fig. 3

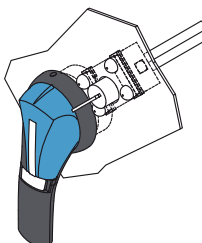


Fig. 2

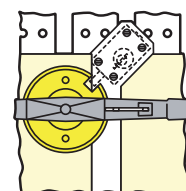
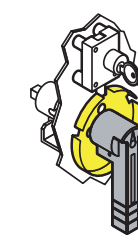


Fig. 4



Other specific accessories



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

Auxiliary contacts for pre-break and signalling - Front operation

- Use**
Pre-break and signalling of positions 0 and I:
- 1 to 2 NO/NC auxiliary contacts,
- 1 to 4 NO or NC auxiliary contacts,
- 1 to 4 NO+NC auxiliary contacts.
- Connection to the control circuit**
6.35 mm fast-on terminal.
Characteristics
NO/NC A/C: IP2X.
Electrical characteristics
30 000 operations.



NO/NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 st	3999 0021 ⁽¹⁾
ND 125 ... ND 500	2 nd	3999 0022 ⁽¹⁾
630 ... 1600	1 st	2799 0001
630 ... 1600	2 nd	2799 0002

(1) For direct operation.

NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0701 ⁽¹⁾

(1) For external operation.

Characteristics

Rating (A)	Contact type	Current nominal (A)	Operating current I _e (A)			
			250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
ND 125 ... ND 500	changeover NO/NC	16		3	12	2
ND 125 ... ND 500	NC	10	6	4	5	3
ND 125 ... ND 500	NO	10	6	4	5	3
630 ... 1600	changeover NO/NC	16	12	8	14	6
630 ... 1600	NO + NC	15	10	6	15	12

NO contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0702 ⁽¹⁾

(1) For external operation.

NO + NC contact Rating (A)	Position AC	Reference
630 ... 1600	1	2799 0005

Low level NO/NC auxiliary contacts		
Rating (A)	Position AC	Reference
630 ... 1600	1	2699 0101

Auxiliary contacts for pre-break and signalling - Right side operation

- Use**
Pre-break and signalling of positions 0 and I:
- 1 to 2 NO/NC auxiliary contacts,
- 1 to 4 NO or NC auxiliary contacts.
- Connection to the control circuit**
By 6.35 mm fast-on terminal.
Characteristics
NO/NC A/C: IP2X.
Electrical characteristics
30 000 operations.



NO/NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 st	3999 0021
ND 125 ... ND 500	2	3999 0022
630 ... 1600	1 st	2799 0011
630 ... 1600	2 nd	2799 0012

NC contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0701

NO contact Rating (A)	Position AC	Reference
ND 125 ... ND 500	1 to 4	3999 0702

Low level NO/NC auxiliary contacts		
Rating (A)	Position AC	Reference
630 ... 1600	1	2799 0111

Characteristics

Rating (A)	Contact type	Current nominal (A)	Operating current I _e (A)			
			250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
ND 125 ... ND 500	changeover NO/NC	16		3	12	2
ND 125 ... ND 500	NC	10	6	4	5	3
ND 125 ... ND 500	NO	10	6	4	5	3
630 ... 1600	changeover NO/NC	16	12	8	14	6

Cage terminals

Use

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

References

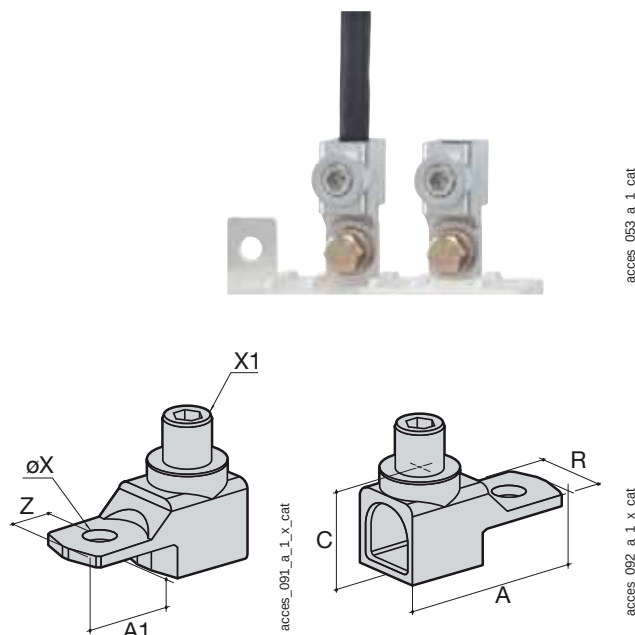
Rating max (A)	Frame size	No. of poles	Reference
CD 20 ... 63	0 ... 12	2 / 3 / 4 P	integrated
100 ... 160	13/14	3 P	5400 3016
100 ... 160	13/14	4 P	5400 4016
250	15	3 P	5400 3025
250	15	4 P	5400 4025
400	16	3 P	5400 3040
400	16	4 P	5400 4040

Connections

Rating (A)	Flexible cable cross-section (mm²)	Rigid cable cross-section (mm²)	Flexible bar width (mm)	Stripped over (mm)
100 ... 160	16 ... 95	16 ... 95	13	22
250	16 ... 185	16 ... 185	18	27
400	50 ... 240	50 ... 300	20	34

Dimensions

Rating (A)	A	A1	C	R	ØX	X1	Z
100 ... 160	47.5	22.5	25	20	8.5	M12	10
250	62	31.5	31.5	25	10.5	M16	14
400	71.5	32	38	32	10.5	M20	15



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Handle key interlocking accessories

Use

Locking in position 0 of the direct, front or right side operation:

- using a padlock (not supplied) in direct right side operation: integrated into the handle,

- using a padlock (not supplied): right-side or front operation switch from 32 to 1250 A, factory integrated

- using a padlock (not supplied) in external operation.

Locking using RONIS EL 11 AP lock (not supplied)

Rating (A)	Frame size	Operation	Figure n°	Reference
CD 20 ... 1250	0 ... 18	external front	2	1499 7701
32 ... 63	1/2	direct	1	3629 7903
100 ... 400	3 ... 6	direct	1	3629 7913
630 ... 1250	17 ... 18	direct		3829 7923

Locking using K-type CASTELL lock (not supplied)

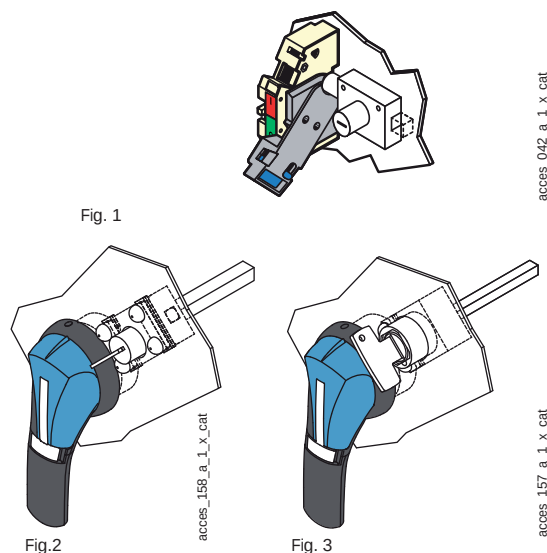
Rating (A)	Frame size	Operation	Figure n°	Reference
CD 20 ... 1250	0 ... 18	external front	3	1499 7702

Locking using FS-type CASTELL lock (not supplied)

Rating (A)	Frame size	Operation	Figure n°	Reference
CD 20 ... 1250	0 ... 18	external front	3	1499 7703

Locking using XOP (not supplied)

Rating (A)	Frame size	Operation	Reference
CD 20 ... 1250	0 18	external front	1499 7702



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Label holder

Use

Recognisable self-adhesive label allowing identification of the devices.

Dimensions W x H (mm)	Nb of pieces in KIT	Reference
18 x 13	5	7769 9999



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Cage terminals

Use

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

References

Rating max (A)	No. of poles	Reference
250	3 P	5400 3025
250	4 P	5400 4025
400	3 P	5400 3040
400	4 P	5400 4040
500 ... 630	3 P	5400 3063
500 ... 630	4 P	5400 4063



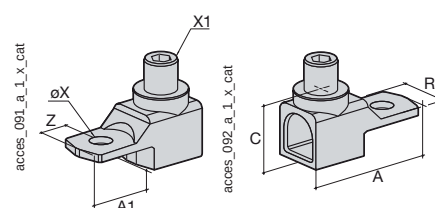
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Connections

Rating (A)	Flexible cable cross-section (mm²)	Rigid cable cross-section (mm²)	Width flexible bar (mm)	Stripped over (mm)
250	16 ... 185	16 ... 185	18	27
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
250	62	31.5	31.5	25	10.5	M16	14
400	71.5	32	38	32	10.5	M20	15
500 ... 630	76.5	37	38	40	12.5	M20	15



Handle key interlocking accessories

Use

- Locking in position 0 of the front or side operation handle:
- using a padlock (not supplied) and factory integrated into the handle.
- using RONIS 1104 A lock (key BC 3318) to be mounted directly on the padlockable handle.
- Locking using CASTELL K (not supplied)
- Locking using RONIS EL11AP (not supplied).

Locking using RONIS EL 1104 A lock (supplied)

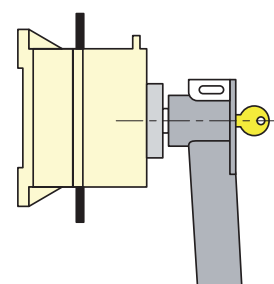
Rating (A)	Operation	Reference
250 ... 1800	front direct	3999 8104

Locking using RONIS EL11AP lock (not supplied)

Rating (A)	Operation	Reference
250 ... 1800	external	1499 7701
1600 ... 1800	front direct	3999 6117

Locking using CASTELL lock (not supplied)

Rating (A)	Operation	Reference
250 ... 1250	external	1499 7702



Lock RONIS 1104 A

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Label holder

Use

Recognisable self-adhesive label allowing identification of the devices.

Dimensions W x H (mm)	To be ordered in multiples of	Reference
18 x 13	50	7769 9999



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Other specific accessories

Use

- Customised protection screens (for specific dimensions or high ambient temperatures).
- Connection accessories.
- Mounting plates for standard systems.
- Special construction available for specific environments.

Key handle interlocking system

Padlocking in position I, 0 or II				
SIRCOVER Rating (A) / Frame size	SIRCOVER Bypass Rating (A) / Frame size	Operation	Figure	Reference
125 ... 630 / B3 ... B5	125 ... 200 / B3	external	1	1423 2813

Locking using RONIS EL11AP lock in position 0 (not included)				
SIRCOVER Rating (A) / Frame size	SIRCOVER Bypass Rating (A) / Frame size	Operation	Figure	Reference
125 ... 630 / B3 ... B5	125 ... 200 / B3	direct	2	4109 1006 ⁽¹⁾
	250 ... 630 / B4 ... B5	direct	3	consult us
800 ... 1600 / B6 ... B7	800 ... 1600 / B6 ... B7	direct	3	4109 1004 ⁽²⁾
2000 ... 3200 / B8		direct	3	4109 2007 ⁽²⁾
125 ... 630 / B3 ... B5	125 ... 630 / B3 ... B5	external	4	1499 7701 ⁽²⁾
2000 ... 3200 / B8	800 ... 1600 / B6 ... B7	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)				
SIRCOVER Rating (A) / Frame size	SIRCOVER Bypass Rating (A) / Frame size	Operation	Figure	Reference
125 ... 630 / B3 ... B5	125 ... 200 / B3	direct	2	4109 1002 ⁽¹⁾
	250 ... 630 / B4 ... B5	direct	3	consult us
800 ... 1600 / B6 ... B7	800 ... 1600 / B6 ... B7	direct	3	4109 1004 ⁽²⁾
2000 ... 3200 / B8		direct	3	4109 2007 ⁽²⁾
125 ... 630 / B3 ... B5	125 ... 630 / B3 ... B5	external	4	1499 7701 ⁽²⁾
2000 ... 3200	800 ... 1600 / B6 ... B7	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 0 (factory fitted)				
SIRCOVER Rating (A) / Frame size	SIRCOVER Bypass Rating (A) / Frame size	Operation	Figure	Reference
800 ... 3200 / B6 ... B8	800 ... 1600 / B6 ... B7	direct	3	consult us

Locking using Type K CASTELL lock (not supplied)				
SIRCOVER Rating (A) / Frame size	SIRCOVER Bypass Rating (A) / Frame size	Operation	Figure	Reference
125 ... 1600 / B3 ... B7	125 ... 630 / B3 ... B5	external	4	1499 7702
2000 ... 3200 / B8	800 ... 1600 / B6 ... B7	external	4	2799 7003

Use

- Padlocked (padlock not included). 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-form tabs.
- Padlocking and locking can be combined.

Fig. 1

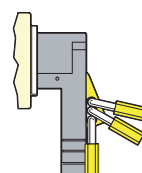


Fig. 2

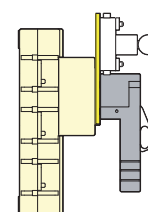
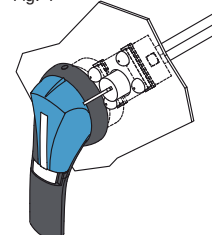


Fig. 3



Fig. 4



Other specific accessories



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

References

Rating (A)/ Frame size	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Bridging bars	Auxiliary contact	Terminal shrouds	Terminal screens
125 A/B3	12 + 4 P	4100 9813	S3 type Black IP65 I - O - II 1433 3113	S3 type Black IP65 I - O - II 1433 3113	200 mm 1401 1520 320 mm 1401 1532 400 mm 1401 1540	4 P 4109 4019	1 st contact NO/NC included 2 nd contact NO/NC 4109 0021 ⁽¹⁾	4 P 2694 4014 ⁽²⁾⁽³⁾	4 P 1509 4012 ⁽⁴⁾
160 A/B3	12 + 4 P	4100 9816				4 P 4109 4025		4 P 2694 4021 ⁽²⁾⁽³⁾	4 P 1509 4025 ⁽⁴⁾
250 A/B4	12 + 4 P	4100 9825				4 P 4109 4039			
400 A/B4	12 + 4 P	4100 9840				4 P 4109 4063		4 P 2694 4051 ⁽²⁾⁽³⁾	4 P 1509 4063 ⁽⁴⁾
630 A/B5	12 + 4 P	4100 9863	Black 2799 7062	Black IP65 I - O - II 2799 7147	Included with the external handle	4 P 4109 4080		consult us	4 P 1509 4080 ⁽⁴⁾
800 A/B6	12 + 4 P	4100 9880				4 P 4109 4160			
1000 A/B6	12 + 4 P	4100 9881							
1250 A/B7	12 + 4 P	4100 9882							
1600 A/B7	12 + 4 P	4100 9886							

(1) 2 contacts supplied: one for position I and one for position II.

(2) To fully shroud the front and rear at the, top and bottom, order quantity 8.

(3) To shroud only the front at the top and bottom, order quantity 4.

(4) For complete front protection, order the reference twice.

Accessories

Key handle interlocking system

Locking in position 0 with RONIS EL11AP (lock not supplied)

Rating (A)	Frame size	Operation	Figure	Reference
125 ... 630	B3 ... B5	direct	1	4109 1006 ⁽¹⁾
125 ... 630	B3 ... B5	external	3	1499 7701
800 ... 1600	B6 ... B7	direct and external	2	consult us

(1) Specific handle included.

Locking in positions I, O, II with RONIS EL11AP (lock not supplied)

Rating (A)	Frame size	Operation	Figure	Reference
125 ... 630	B3 ... B5	direct	1	4109 1002 ⁽¹⁾
800 ... 1600	B6 ... B7	direct	2	consult us

(1) Specific handle included.

Locking with CASTELL K type lock (lock not supplied)

Rating (A)	Frame size	Operation	Figure	Reference
125 ... 630	B3 ... B5	external	3	1499 7702
800 ... 1600	B6 ... B7	external		consult us

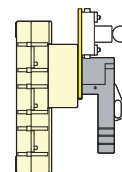


Fig. 1



Fig. 2

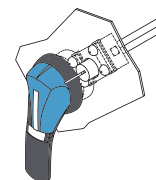


Fig. 3

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acces_132_a_1_x_cat

acces_158_a_1_x_cat