



**TO ORDER**

DIRECT OPERATION		EXTERNAL OPERATION				
	+		+		+	
Switch body	+	Switch body	+	Shaft	+	External handle
Direct handle						

**+ OTHER ACCESSORIES**

## Accessories

### Direct handle



#### References

*For front operation*

Rating (A)	Handle colour	References
250 ... 630	Black	3999 <b>6201</b>
800 ... 1250	Black	3999 <b>6012</b>
250 ... 1250	Red	consult us

*For side operation*

Rating (A)	Handle colour	References
250 ... 1250	Black	3999 <b>6012</b>
250 ... 1250	Red	3999 <b>6013</b>

### Door interlocked external handle



#### References

*For front operation*

Rating (A)	Handle colour	External IP	References
250 ... 1250	Black	IP55	1431 <b>3511</b>
250 ... 1250	Red	IP55	1432 <b>3511</b>

*For side operation*

Rating (A)	Handle colour	External IP	References
250 ... 1250	Black	IP55	1435 <b>3511</b>
250 ... 1250	Red	IP55	1436 <b>3511</b>

S3 handle

### Alternative S-type handle cover colours



#### Use

For single lever handles type S3.  
Other colours: please consult us.

#### References

Handle colour	Pack qty	References
Light grey	50	1401 <b>0001</b>
Dark grey	50	1401 <b>0011</b>

### Shaft extensions for external handle



#### Use

Standard length:  
- 200 mm,  
- 320 mm.  
Other lengths: please consult us.

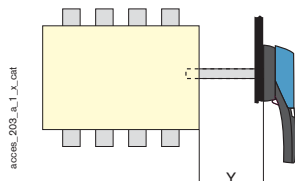
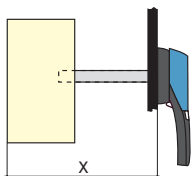
#### References

*For front operation*

Rating (A)	Dimension X (mm)	Shaft length (mm)	Type	References
250 ... 400	300 ... 422	200	15 x 12	1401 <b>1520</b>
250 ... 400	300 ... 542	320	15 x 12	1401 <b>1532</b>
630 ... 1250	345 ... 467	200	15 x 12	1401 <b>1520</b>
630 ... 1250	345 ... 587	320	15 x 12	1401 <b>1532</b>

*For side operation*

Rating (A)	Dimension Y (mm)	Shaft length (mm)	Type	Reference
250 ... 1250	78 ... 200	200	15 x 12	1403 <b>1520</b>



# FUSOMAT

## 250 to 1250 A

- Functions
- References BS88
- References NFC/DIN
- ▶ **Accessories**
- Characteristics
- Dimensions

## Accessories

### Alternative coils



Shunt trip coil



Undervoltage trip coil

#### Use

Omnipolar breaking remotely controlled by shunt trip or undervoltage voltage release coil.

**NB:** the shunt trip coil must not be supplied for more than 5 s.

A shunt trip coil is fitted to the standard switch body.

To modify this coil, the reference opposite must be added to the switch reference.

Must be ordered at the same time as the switch.

#### Examples for ordering:

- FUSOMAT with shunt trip coil 230 VAC - 1 reference: FUSOMAT 250 A, 3 pole, front operation: 3650 **3026**.
- FUSOMAT fitted with a non standard coil - 2 references: FUSOMAT 250 A, 3 pole, front operation, fitted with a 110 VAC undervoltage trip coil: 3650 **3026** + 3991 **3110**.

#### References

##### Shunt trip coil

Voltage	Replacement tripping coil References	Original coil <sup>(1)</sup> References
24 VAC	3990 <b>1024</b>	3991 <b>1024</b>
48 VAC	3990 <b>1048</b>	3991 <b>1048</b>
110 VAC	3990 <b>1110</b>	3991 <b>1110</b>
230 VAC	3990 <b>1220</b>	standard
400 VAC	3990 <b>1380</b>	3991 <b>1380</b>
12 VDC	3990 <b>2012</b>	3991 <b>2012</b>
24 VDC	3990 <b>2024</b>	3991 <b>2024</b>
48 VDC	3990 <b>2048</b>	3991 <b>2048</b>
110 VDC	3990 <b>2220</b>	3991 <b>2220</b>
220 VDC	3990 <b>2220</b>	3991 <b>2220</b>

##### Undervoltage trip coil

Voltage	References	References
24 VAC	3990 <b>3024</b>	3991 <b>3024</b>
48 VAC	3990 <b>3048</b>	3991 <b>3048</b>
110 VAC	3990 <b>3110</b>	3991 <b>3110</b>
230 VAC	3990 <b>3220</b>	3991 <b>3220</b>
400 VAC	3990 <b>3380</b>	3991 <b>3380</b>
12 VDC	3990 <b>4012</b>	3991 <b>4012</b>
24 VDC	3990 <b>4024</b>	3991 <b>4024</b>
48 VDC	3990 <b>4048</b>	3991 <b>4048</b>
110 VDC	3990 <b>4110</b>	3991 <b>4110</b>
220 VDC	3990 <b>4220</b>	3991 <b>4220</b>

##### Undervoltage delayed trip coil

Voltage	References
230 VAC	3992 <b>3230</b>
400 VAC	3992 <b>3400</b>

(1) To be ordered at same time as switch.

Characteristics: see page A.65 "SIDERMAT".

### Current-reducing resistance for undervoltage release coil

#### Use

Reduces, by limiting the current, the effects on undervoltage coils used in continuous processes or exposed to high ambient temperatures.

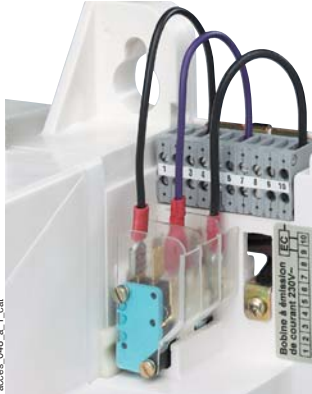
#### References

Voltage	References
110 VAC	3999 <b>3112</b>
230 VAC	3999 <b>3230</b>
400 VAC	3999 <b>3400</b>
110 VDC	3999 <b>4110</b>



## Accessories

### Auxiliary contacts



#### Use

Signalling of positions 0 and I:  
1 to 2 NC/NO auxiliary contacts.

#### Coil tripping

1 to 2 NC/NO auxiliary contacts.

#### Connection to the control circuit

By fast-on terminal 6.35 mm.

#### Characteristics

NC/NO auxiliary contact IP2.

#### Electrical characteristics

30 000 operations.

#### References

##### NC / NO position contact

Rating (A)	No. of AC	References
250 ... 1250	1 <sup>st</sup>	3999 <b>0051</b>
250 ... 1250	2 <sup>nd</sup>	3999 <b>0052</b>
630 ... 1250	3 <sup>rd</sup> and more	consult us

##### NC / NO low level position contact

Rating (A)	No. of AC	References
250 ... 1250	1 <sup>st</sup>	3999 <b>0111</b>
250 ... 1250	2 <sup>nd</sup>	3999 <b>0112</b>

##### NC / NO coil tripping contact

Rating (A)	No. of AC	Reference
250 ... 1250	1	3999 <b>0031</b>

#### Characteristics

##### NC / NO changeover position contact

Rating (A)	Nominal current (A)	Operating current I <sub>e</sub> (A)			
		250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
250 ... 1250	16	12	8	14	6

##### NC / NO changeover coil tripping contact

Rating (A)	Nominal current (A)	Operating current I <sub>e</sub> (A)			
		250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
250 ... 1250	16	12	8	12	2

### DIN fuse blown indication

#### Use

For DIN fuses cartridges with striker.

#### Electrical principle

A NC / NO auxiliary contacts detects that the fuse has blown.

#### Connection to the control circuit

By fast-on terminal 6.35 mm.

#### Electrical characteristics

30 000 operations.

#### References

##### NC / NO changeover

Rating (A)	No. of poles	No. of AC	References
250 ... 400	3 P	1 <sup>st</sup>	3994 <b>1304</b>
250 ... 400	4 P	1 <sup>st</sup>	3994 <b>1404</b>
630	3 P	1 <sup>st</sup>	3994 <b>1306</b>
630	4 P	1 <sup>st</sup>	3994 <b>1406</b>
800 ... 1250	3 P	1 <sup>st</sup>	3994 <b>1312</b>
800 ... 1250	4 P	1 <sup>st</sup>	3994 <b>1412</b>
250 ... 1250	3/4 P	2 <sup>nd</sup>	3994 <b>1902</b>

#### Characteristics

Rating (A)	Nominal current (A)	Operating current I <sub>e</sub> (A)			
		250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
250 ... 1250	16	12	8	12	2

# FUSOMAT

## 250 to 1250 A

- Functions
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- Dimensions

## Accessories

### Terminal shrouds



access\_213\_b\_1\_cat

**Use**

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

**Advantage**

Holes allowing remote thermographic inspection without removing.  
Note: 1 shroud required per side (max 2).

**References**

Rating (A)	No. of poles	Position	References
250 ... 400	3 P	top / bottom	3998 <b>3040</b>
250 ... 400	4 P	top / bottom	3998 <b>4040</b>
630	3 P	top / bottom	3998 <b>3063</b>
630	4 P	top / bottom	3998 <b>4063</b>

### Terminal screens



fusom\_056\_a\_1\_cat

**Use**

Top protection against direct contacts with the terminals or the connection parts.  
Bottom protection as standard.

**References**

Rating (A)	No. of poles	Position	References
800 ... 1250	3 P	top	3998 <b>3120</b>
800 ... 1250	4 P	top	3998 <b>4120</b>
800 ... 1250	3/4 P	bottom	standard

### Phase barrier shield



access\_036\_a\_1\_cat

**Use**

Safety isolation between the terminals, indispensable when using at 690 VAC or in a polluted atmosphere.

**References**

Rating (A)	No. of poles	References
800 ... 1250	3 P	2998 <b>0003</b>
800 ... 1250	4 P	2998 <b>0004</b>

### Cage terminals



access\_053\_a\_1\_cat

**Use**

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

**References**

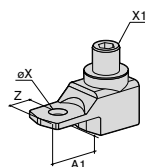
Rating (A)	No. of poles	References
250	3 P	5400 <b>3025</b>
250	4 P	5400 <b>4025</b>
400	3 P	5400 <b>3040</b>
400	4 P	5400 <b>4040</b>
630	3 P	5400 <b>3063</b>
630	4 P	5400 <b>4063</b>

**Connection**

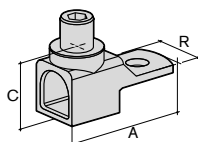
Rating (A)	Section flexible cable (mm <sup>2</sup> )	Section rigid cable (mm <sup>2</sup> )	Width flexible bar (mm)	Stripped over (mm)
250	16 ... 185	16 ... 185	18	27
400	50 ... 240	50 ... 300	20	34
630	70 ... 300	70 ... 300	24	34

**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
630	76.5	37	38	40	12.5	M20	15



access\_081\_a\_1\_x\_cat

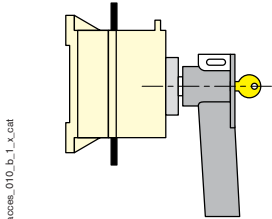


access\_082\_a\_1\_x\_cat



## Accessories

### Handle key interlocking accessories



RONIS 1104 A lock

#### Use

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

#### References

##### *Locking using RONIS 1104 A lock (included)*

Rating (A)	Operation	Reference
250 ... 1250	direct front	3999 <b>8104</b>

##### *Locking using RONIS EL11AP lock (not included)*

Rating (A)	Operation	Reference
250 ... 1250	external	1499 <b>7701</b>

##### *Locking using CASTELL K lock (not included)*

Rating (A)	Operation	Reference
250 ... 1250	external	1499 <b>7702</b>

### Label holder



#### Use

- Recognisable self-adhesive label allowing identification of the devices.

#### Reference

Dimensions L x H (mm)	Pack qty	Reference
18 x 13	50	7769 <b>9999</b>

### Other specific accessories



#### Use

- Specific shields (dimensions, or for high ambient temperatures).
- Connection accessories.
- Mounting plates for standard systems.
- Special construction available for specific environments.