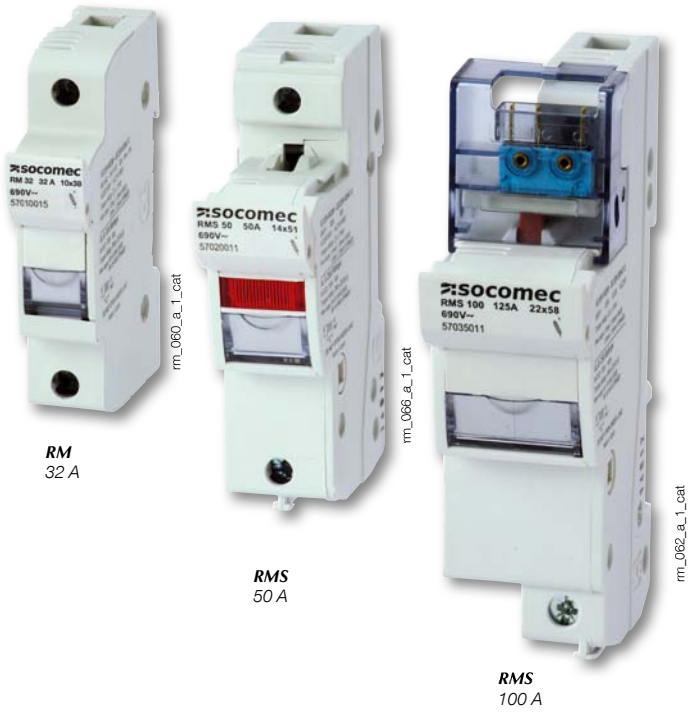


RM and *RMS*

Fuse disconnect switches

for industrial and high speed (uR) cylindrical fuses up to 125 A



RM
32 A

RMS
50 A

RMS
100 A

The solution for

> Small outputs

Strong points

> Improved safety
> High breaking capacity
> Specific format and accessory
> Label holder

Large range

> Pre-break, please consult us

Compliance with standards

> IEC 60269-2,-1
> IEC 60269-1
> IEC 60269-2
> NF EN 60269-1
> NF C 63-210
> NF C 63211
> VDE 0636-10
> DIN 43620
> CSA 265615
> UL E307648

Function

RM and **RMS** are modular fuse disconnect switches for cylindrical fuses. They provide safety disconnection and protection against overloads and short-circuits in any low voltage electrical circuit.

- RM: Non-signalling fuse disconnect switches for fuses without strikers.
- RMS: Fuse disconnect switches with pre-break auxiliary contact, position and blown indication.

Advantages

Improved safety
- Omnipolar and simultaneous breaking.
- High dielectric strength. IP2X protection.

Specific format and accessory
- Modular 45-mm cut-out.
- Interlocking with accessory possible.

High breaking capacity

Protection against overloads and short-circuits thanks to high breaking capacity fuses (100 kA rms).

References

RM - Non-signalling device

Basic device Fuse size	32 A[1] 10 x 38		50 A[2] 14 x 51		100 A [2] 22 x 58	
No. of poles	To be ordered in multiples of	Reference	To be ordered in multiples of	Reference	To be ordered in multiples of	Reference
1 P	12	5701 **0015**	6	5702 **5001**	6	5703 **5001**
1 P + N (1 module)	12	5601 **5005**				
1 P + N (2 modules)	6	5701 **0017**	3	5702 **5005**	3	5703 **5005**
1 P LED signalling	12	5701 **0011**	6	5702 **0011**	6	5703 **0011**
2 P	6	5701 **0020**	3	5702 **5002**	3	5703 **5002**
3 P	4	5701 **0018**	2	5702 **5003**	2	5703 **5003**
3 P + N	3	5701 **0019**	1	5702 **5004**	1	5703 **5004**
4 P			1	5702 **5006**	1	5703 **5006**
N	12	5701 **0016**	6	5702 **5000**	6	5703 **5000**

(1) Devices are cURus and CSA-certified, except 5601 5005.
(2) Devices are cURus-certified.

RMS - Device with 1 signalling auxiliary contact (AC) [1]

Basic device Fuse size	50 A[2] 14 x 51		100 A [2] 22 x 58	
No. of poles	To be ordered in multiples of	Reference	To be ordered in multiples of	Reference
1 P	6	5702 **5011**	6	5703 **5011**
2 P	3	5702 **5012**	3	5703 **5012**
3 P	2	5702 **5013**	2	5703 **5013**
3 P + N	1	5702 **5014**	1	5703 **5014**
4 P	1	5702 **5016**	1	5703 **5016**

(1) The signalling auxiliary contact provides the pre-break, the fuse presence and also blown fuse signal.
(2) Devices are cURus-certified.

Accessories

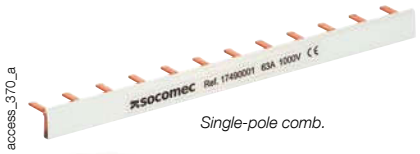
Connection accessories for RM 32 A 10 x 38

Comb bridging connection

Designation	Cross-section (mm²)	Reference
Unipolar comb with 12 modules	10	1749 **0001**
Unipolar comb with 13 modules	10	1749 **0011**
Unipolar comb with 57 modules	10	1749 **0021**
Unipolar comb with 12 modules	16	1749 **0031**
Unipolar comb with 13 modules	16	1749 **0041**
Unipolar comb with 57 modules	16	1749 **0051**
Nozzle		1749 **8001**

Connection terminals

Designation	Reference
Insulated neutral terminal for a 6 to 25-mm² cable, side input	1749 **9001**
Insulated neutral terminal for a 6 to 50-mm² cable, side input	1749 **9002**
Fully insulated power feed terminal for a 6 to 25-mm² cable, side input	1749 **9003**
Right/left insulated terminal, 6 x 25 mm²	1749 **9004**



Single-pole comb.



Insulated neutral terminal. *Nozzle.*

Something to think about



10x38 RMs equipped with 0.5A gG fuses provide effective protection for voltage inputs and auxiliary power supplies for all our electronic devices
(DIRIS, COUNTIS, ISOM, RESYS differential relays, etc…)

Accessories (continued)

Auxiliary contact

Use

1 or 2 NO/NC auxiliary contacts:

- Pre-break, fuse presence and fuse blown signalling for RMS 50 and 100.
- Fuse blown signalling for RM 50 and 100.

Connection

By 6.35 mm fast-on terminal.

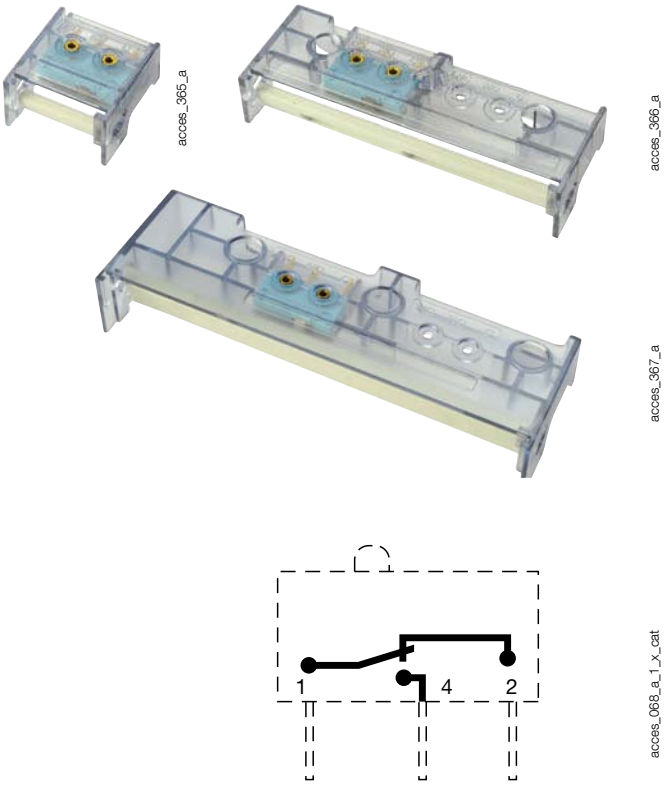
Characteristics Rating (A)	Contact type	Operating current I_e (A) 250 VAC AC-13
50 … 100	NO/NC contact	2.5
50 … 100	Two-level NO/NC contact	0.1

References
NO/NC contact

Rating (A)	Contact	Reference
50	1 P with 1 AC	5702 **9901**
50	3 P with 1 AC	5702 **9903**
50	3 P with 2 AC	5702 **9030**
100	1 P with 1 AC	5703 **9901**
100	3 P with 1 AC	5703 **9903**
100	3 P with 2 AC	5703 **9030**

Low level NO/NC auxiliary contact

Rating (A)	Contact	Reference
50	1 P with 1 AC	5702 **9911**
50	3 P with 1 AC	5702 **9913**
100	1 P with 1 AC	5703 **9911**
100	3 P with 1 AC	5703 **9913**



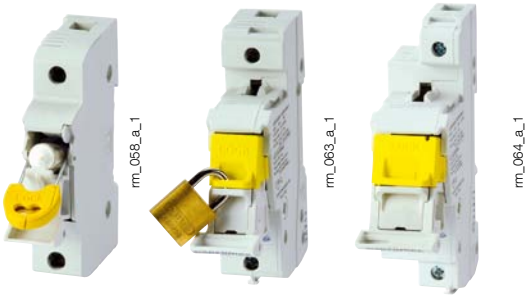
Key handle interlocking system

Use

Padlocking of the handle (padlock not supplied).

For RM and RMS

Rating (A)	Quantity (units)	Reference
32	5	5701 **9040**
50	5	5702 **9040**
100	5	5703 **9040**



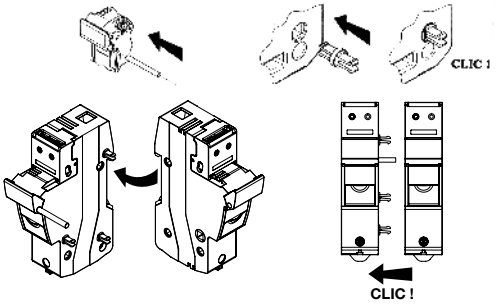
Coupling system for RM

For RM and RMS

Rating (A)	Quantity (units)	Reference
32	12	5704 **0003**(1)
50 … 100	12	5702 **9020**(1)

(1) One coupling device allows to link two RM/RMS. Also sold in bags containing separate components (bags of 100 pieces) for assembling larger quantities. Contact us





Reinforced insulation kit

Rating (A)	Reference
32	5701 **9010**(1)

(1) 1 reference = 1 set of 10 couplings.



Characteristics according to IEC 60269-2

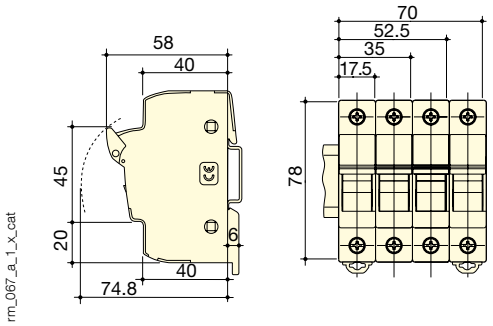
32 to 100 A

Thermal current I_{th} (20°C)	**32 A**	**50 A**	**100 A**
Fuse size	10 x 38	14 x 51	22 x 58
Rated insulation voltage U_i (V)	690	690	690
Fuse rating (A)			
at 400 VAC	32	50	125
at 500 VAC	32	50	125
at 690 VAC		50	125
gG fuse protected short-circuit withstand			
Prospective short-circuit current (kA rms.)(1)	100	100	100
Design current derating coefficient for N poles side by side			
N = 1 … 3	1	1	1
N = 4 … 6	0.8	0.8	0.8
N = 7 … 9	0.7	0.7	0.7
N ≥ 10	0.6	0.6	0.6
Design current derating coefficient depending on the temperature			
20°C	1	1	1
30°C	0.95	0.95	0.95
40°C	0.90	0.90	0.90
50°C	0.80	0.80	0.80
60°C	0.70	0.70	0.70
70°C	0.60	0.60	0.60
Connection			
Minimum Cu cable cross-section (mm^2), for rigid or flexible cables	0.75	0.75	0.75
Maximum Cu cable cross-section (mm^2), rigid/flexible cables	25/16	35/25	50/35
Maximum Cu cable cross-section (mm^2), rigid/flexible cables(2)	16/10		
Tightening torque	2.5	3	5
Dimensional data			
Weight of 1 P / N (kg)	0.057 / 0.06	0.1	0.155
Weight of 1 P + N (kg)	0.117	0.215	0.327
Weight of 3 P + N (kg)	0.229	0.415	0.632

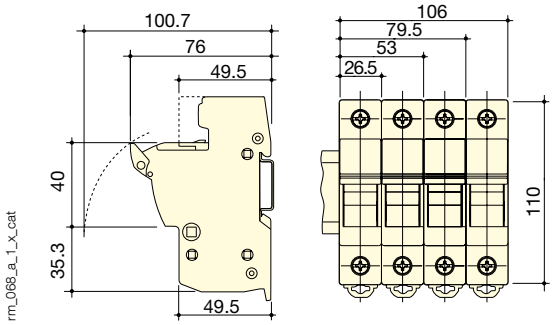
(1) For a rated operational voltage U_e = 400 VAC.
(2) Connection for RM32 1 P + N (1 module).

Dimensions

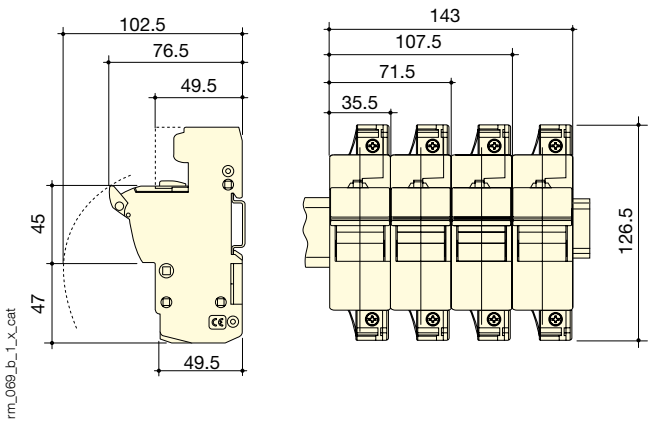
RM 32 A



RM / RMS 50 A unipolar and multipolar



RM / RMS 100 A unipolar and multipolar



RM 32 A Ref.: 5601 5005

