

RM and *RMS*

Fused disconnectors

for industrial and ultra-fast cylindrical fuses up to 125 A



RM
32 A



RM
50 A



RMS
100 A

The solution for

- Small outputs

Strong points

- Improved safety
- High breaking capacity
- Format and specific accessories
- Label holder

Extended range

- Lock cradle, please contact 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

Approvals and certifications(1)

(1) Product part numbers on request.

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-breaking auxiliary contact that signals that the fuse is present / blown.

Advantages

Improved safety

- Omnipolar and simultaneous breaking.
- High dielectric strength. IP2X fuse.

High breaking capacity

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

Format and specific accessories

- Modular 45-mm cut-out.
- Locking possible with optional accessory.

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	Available for order in multiples of	Reference	Available for order in multiples of	Reference	Available for order in multiples of	Reference
1 P	12	5701 **0015**	6	5702 **5001**	6	5703 **5001**
1 P + N (1 module)	12	5701 **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 5701 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	Available for order in multiples of	Reference	Available for order 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 signals a blown fuse.
(2) Devices are cURus-certified.

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

Auxiliary contact

Use

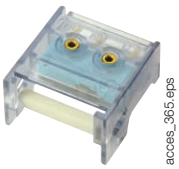
1 or 2 NO/NC auxiliary contacts:
- RMS 50 and 100: pre-breaking, fuse is present / blown.
- RM 50 and 100: fuse blown.

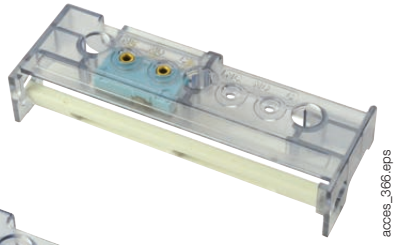
Connection

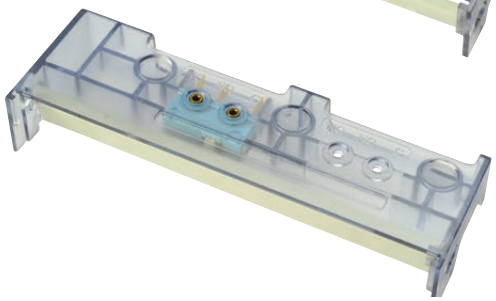
By 6.35 mm fast-on terminal.

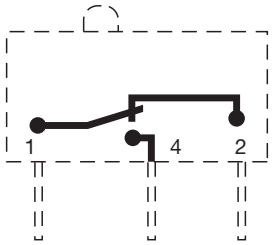
Characteristics Rating (A)	Contact type	Operating current I_e (A) 250 VAC AC-13
50 … 100	NO/NC contact	2.5
50 … 100	Two-level NO/NC contact	0.1

References NO/NC contact Rating (A)	Contact	Reference
50	1 auxiliary contact with 1 P	5702 **9901**
50	1 auxiliary contact with 3 P	5702 **9903**
50	2 auxiliary contacts with 3 P	5702 **9030**
100	1 auxiliary contact with 1 P	5703 **9901**
100	1 auxiliary contact with 3 P	5703 **9903**
100	2 auxiliary contacts with 3 P	5703 **9030**


acces_365.eps


acces_366.eps


acces_367.psd



acces_068_a_1_x_cat

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**

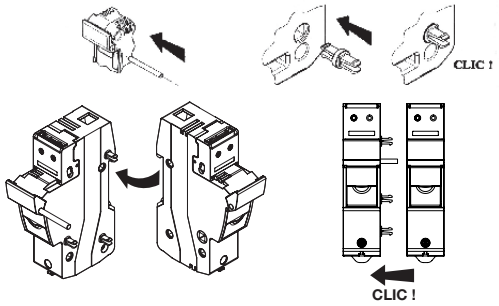


Coupling system for RM

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

(1) One coupling to attach 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.



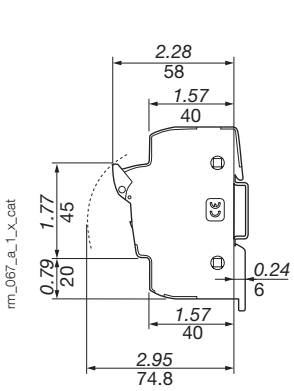
Characteristics according to IEC 60269-2

32 to 100 A

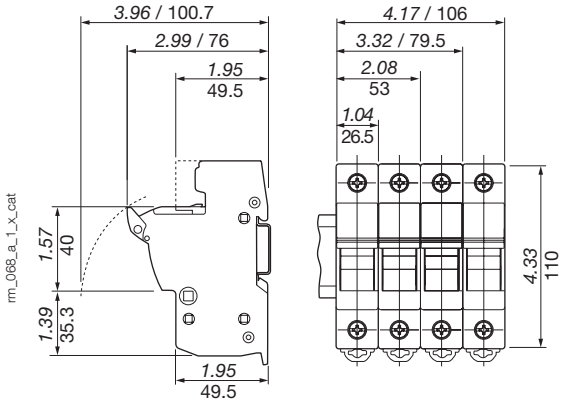
Thermal current I_{th} (20 °C)		**32 A**	**50 A**	**100 A**
Fuse size		10 x 38	14 x 51	22 x 58
Rated insulation voltage U_i (V)		690	690	690
Nominal power loss (W/P)		3	5	9.5 (max 12 W)
Protection degree		IP20	IP20	IP20
Fuse rating (A)				
at 400 VAC		32	50	125
at 500 VAC		32	50	125
at 690 VAC			50	125
gG fuse protected short-circuit withstand				
	Rated voltage			
Prospective short-circuit current (kA rms)	690 VAC	100	100	100
Prospective short-circuit current (kA rms)	400/500 VAC	120	120	120
Derating factor of operational current 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
Derating factor of operational current for N poles side by side				
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				
Min. cross-section of rigid/flexible Cu cables		0.75 mm²	1.5 mm²	1.5 mm²
Max. cross-section of rigid Cu cables		16 mm²	35 mm²	50 mm²
Max. cross-section of rigid Cu cables for RM32 1 P + N (1 module)		10 mm²		
Max. cross-section of flexible Cu cables		16 mm²	25 mm²	35 mm²
Max. cross-section of flexible Cu cables for RM32 1 P + N (1 module)		6 mm²		
Clamping torque		2.5 Nm	3 Nm	4 Nm
Tightening torque for RM32 1 P + N (1 module)		2 Nm		
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

Dimensions (in/mm)

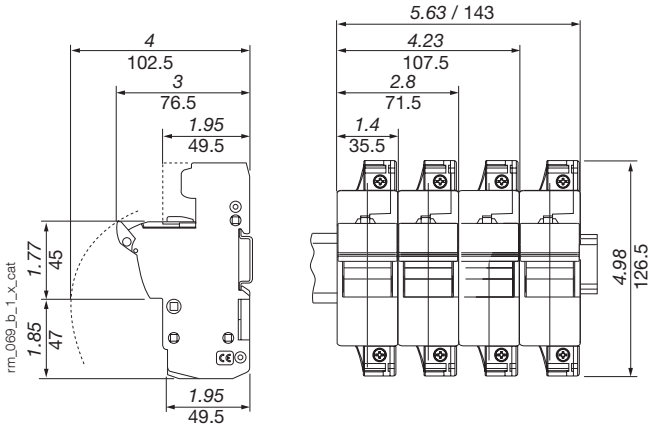
RM 32 A



RM / RMS 50 A single-pole and multi-pole



RM / RMS 100 A single-pole and multi-pole



RM 32 A Part no. 5701 5005

