

Motor protection circuit breakers RMSI



New

RMSI25, RMSI63: manually controlled, three-pole compact circuit breakers designed for direct switching (on and off) of three-phase AC motors and other devices.

The circuit breakers protect motors against the effects of short circuits, overloads and underphase operation. They have a built-in thermal overload trip and instantaneous magnetic short-circuit trip.

They are designed for direct mounting on 35 mm DIN rail mount, EN 50022 or on panel mounting with two M4 screws.

Circuit breakers applied in motor protection:

the basic application of the motor switches is the control (switching on, protection and switching off) of electric induction AC motors. The characteristics of tripping are adapted mainly to motor protection. Setting of the short-circuit trip provides correct operation, start and protection of the motor.

Circuit breakers applied in protection of devices:

the circuit breakers may be used in protection of cable lines, wires and devices which require thermal protection.

They have profound additional equipment: integrated auxiliary contacts 1NO and 1NC.

Compliance with standards: PN-EN 60947-4-1, PN-EN 60947-5-1.

Recognitions and certifications:



NEW product

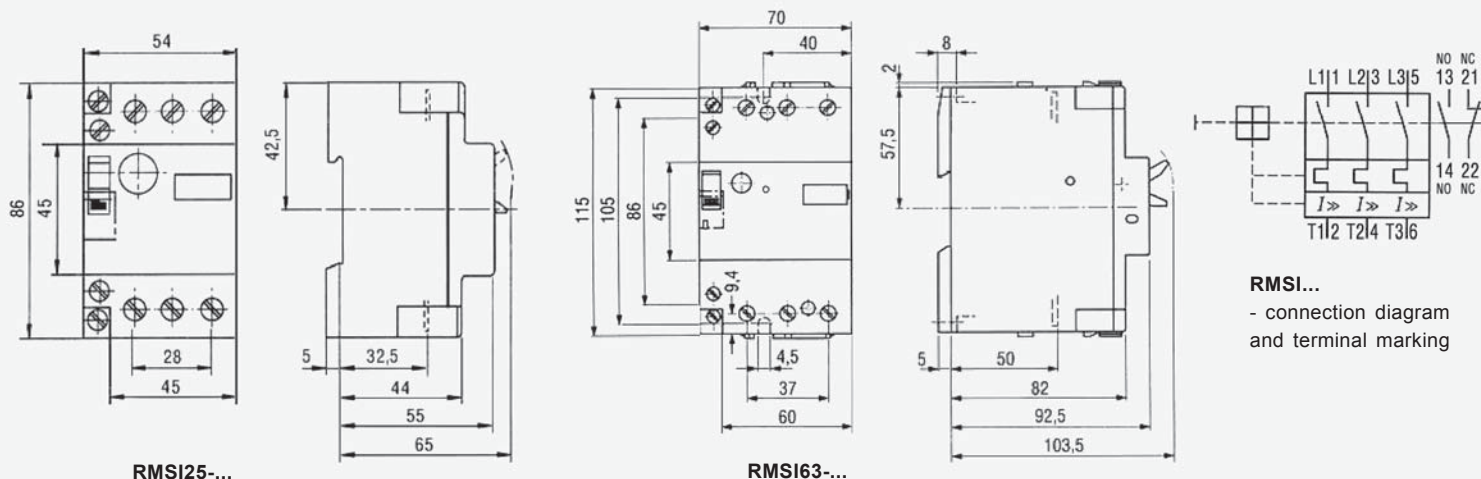
NEW product

RMSI25-...
RMSI63-...

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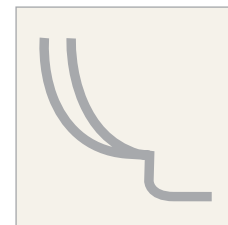
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Dimensions, internal connections diagram



RMSI...
- connection diagram and terminal marking

Technical data	RMSI25-...	RMSI63-...
Dimensions (L x W x H)	54 x 86 x 70 mm	70 x 115 x 108,5 mm
Weight	290 g	760 g
Operating rated voltage	690 V AC 50/60 Hz	690 V AC 50/60 Hz
Insulation rated voltage	750 V AC	750 V AC
Operating rated current	0,1...25 A	10...63 A
Ambient temperature	<ul style="list-style-type: none"> • storage -50...+80 °C • operating -20...+55 °C 	<ul style="list-style-type: none"> • storage -50...+80 °C • operating -20...+55 °C



Ordering codes

	Code of motor protection circuit breaker	Rated current I_n [A]	Three-phase motor power [kW]	Setting range: thermal overload releases [A]	instantaneous overcurrent releases [A]
RMSI25-...	RMSI25-0V16	0,16		0,1 - 0,16	1,9
	RMSI25-0V24	0,24	0,06	0,16 - 0,24	2,9
	RMSI25-0V4	0,4	0,09 / 0,12	0,24 - 0,4	4,8
	RMSI25-0V6	0,6	0,12 / 0,18	0,4 - 0,6	7,2
	RMSI25-1	1	0,25	0,6 - 1	12
	RMSI25-1V6	1,6	0,37 / 0,55	1 - 1,6	19
	RMSI25-2V4	2,4	0,75	1,6 - 2,4	29
	RMSI25-3V2	3,2	1,1	2 - 3,2	38
	RMSI25-4	4	1,1 / 1,5	2,4 - 4	48
	RMSI25-5	5	1,5 / 2,2	3,2 - 5	60
	RMSI25-6	6	2,2	4 - 6	72
	RMSI25-8	8	3	5 - 8	96
	RMSI25-10	10	3 / 4	6 - 10	120
	RMSI25-13	13	4 / 5,5	8 - 13	156
	RMSI25-16	16	7,5	10 - 16	190
	RMSI25-20	20	7,5	14 - 20	240
RMSI25-25	25	11	18 - 25	300	
RMSI63-...	RMSI63-16	16	5,5 / 7,5	10 - 16	190
	RMSI63-25	25	11	16 - 25	300
	RMSI63-32	32	15	22 - 32	380
	RMSI63-40	40	18,5	28 - 40	480
	RMSI63-63 ①	63		45 - 63	600

① Devices protection only