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DATA SHEET

Residual current circuit breakers 6kA PR8NM

Residual current circuit breaker **PR8NM type A/AC**- is an electrical protective device that disconnects a circuit when it detects that the electric current flowing out of it is not equal to the incoming current. It is used to protect people from electrocution by direct and indirect contact, it also limits the effects of damage to equipment and other undesirable events, including but not limited to the possibility of fire. It is used in construction and industry.

Residual current circuit breakers line **PR8NM type A/AC** are used in electrical circuits supplied with 50/60 Hz current with a rated voltage of 230 V for two-pole circuit breakers and 400 V for four-pole circuit breakers and a rated current of 25 A to 63 A

The **PR8NM type A/AC** line residual current circuit breakers are performed in accordance with IEC/EN 61008-1.

- The product can be installed only by authorized persons.
- Disconnect the power supply before installation.
- Safe and easy installation on TH35 busebar with plastic clips.
- To improve the safety of use, equipped with an easy-to-read trip indicator.

The **PR8NM type A/AC** line residual current circuit breakers are equipped with a TEST button for checking the internal operation of the device - the test should be performed every 30 days.

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PR8NM RESIDUAL CURRENT CIRCUIT BREAKERS - PACKING AND MARKING

Name	catalog number	series	pieces per package	number of fields
Residual current circuit breaker 2P 16A 30mA AC	PR8NM 16A 30mA AC	PR8NM	6 psc.	2
Residual current circuit breaker 2P 16A 100mA AC	PR8NM 16A 100mA AC	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 16A 300mA AC	PR8NM 16A 300mA AC	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 16A 30mA A	PR8NM 16A 30mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 16A 100mA A	PR8NM 16A 100mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 16A 300mA A	PR8NM 16A 300mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 25A 30mA AC	PR8NM 25A 30mA AC	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 25A 100mA AC	PR8NM 25A 100mA AC	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 25A 300mA AC	PR8NM 25A 300mA AC	PR8NM	6 pcs..	2
Residual current circuit breaker 2P 25A 30mA A	PR8NM 25A 30mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 25A 100mA A	PR8NM 25A 100mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 25A 300mA A	PR8NM 25A 300mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 40A 30mA AC	PR8NM 40A 30mA AC	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 40A 100mA AC	PR8NM 40A 100mA AC	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 40A 300mA AC	PR8NM 40A 300mA AC	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 40A 30mA A	PR8NM 40A 30mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 40A 100mA A	PR8NM 40A 100mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 2P 40A 300mA A	PR8NM 40A 300mA A	PR8NM	6 pcs.	2
Residual current circuit breaker 4P 25A 30mA AC	PR8NM 25A 30mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 25A 100mA AC	PR8NM 25A 100mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 25A 300mA AC	SR6HM 25A 300mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 25A 30mA A	PR8NM 25A 30mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 25A 100mA A	PR8NM 25A 100mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 25A 300mA A	PR8NM 25A 300mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 40A 30mA AC	PR8NM 40A 30mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 40A 100mA AC	PR8NM 40A 100mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 40A 300mA AC	PR8NM 40A 300mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 40A 30mA A	PR8NM 40A 30mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 40A 100mA A	PR8NM 40A 100mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 40A 300mA A	PR8NM 40A 300mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 63A 30mA AC	PR8NM 63A 30mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 63A 100mA AC	PR8NM 63A 100mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 63A 300mA AC	PR8NM 63A 300mA AC	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 63A 30mA A	PR8NM 63A 30mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 63A 100mA A	PR8NM 63A 100mA A	PR8NM	3 pcs.	4
Residual current circuit breaker 4P 63A 300mA A	PR8NM 63A 300maA A	PR8NM	3 pcs.	4

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PR8NM RESIDUAL CURRENT CIRCUIT BREAKERS - ELECTRICAL FEATURES

Name	type	current rating.	rated differential current A	Rated switching capacity of the differential current A	time of liberation	resistance to voltage surge U imp	short circuit strength Inc	degree of pollution	rated voltage Ue	rated insulation Ui	current frequency Hz
Residual current circuit breaker 2P 16A 30mA AC	AC	16A	30mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 16A 100mA AC	AC	16A	100mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 16A 300mA AC	AC	16A	300mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 16A 30mA A	A	16A	30mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 16A 100mA A	A	16A	100mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 16A 300mA A	A	16A	300mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 25A 30mA AC	AC	25A	30mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 25A 100mA AC	AC	25A	100mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 25A 300mA AC	AC	25A	300mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 25A 30mA A	A	25A	30mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 25A 100mA A	A	25A	100mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 25A 300mA A	A	25A	300mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 40 30mA AC	AC	40A	30mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 40A 100mA AC	AC	40A	100mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 40A 300mA AC	AC	40A	300mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 40A 30mA A	A	40A	30mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 40A 100mA A	A	40A	100mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 2P 40A 300mA A	A	40A	300mA	500	0,1s	6000V	6000	2	230v	500V	50/60
Residual current circuit breaker 4P 25A 30mA AC	AC	25A	30mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 25A 100mA AC	AC	25A	100mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 25A 300mA AC	AC	25A	300mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 25A 30mA A	A	25A	30mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 25A 100mA A	A	25A	100mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 25A 300mA A	A	25A	300mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 40A 30mA AC	AC	40A	30mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 40A 100mA AC	AC	40A	100mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 40A 300mA AC	AC	40A	300mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 40A 30mA A	A	40A	30mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 40A 100mA A	A	40A	100mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 40A 300mA A	A	40A	300mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 63A 30mA AC	AC	63A	30mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 63A 100mA AC	AC	63A	100mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 63A 300mA AC	AC	63A	300mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 63A 30mA A	A	63A	30mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 63A 100mA A	A	63A	100mA	500	0,1s	6000V	6000	2	400V	500V	50/60
Residual current circuit breaker 4P 63A 300mA A	A	63A	300maA	500	0,1s	6000V	6000	2	400V	500V	50/60

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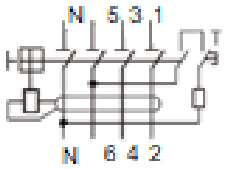
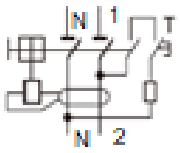
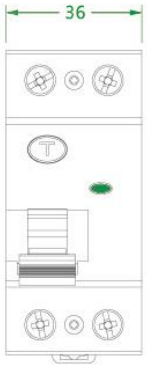
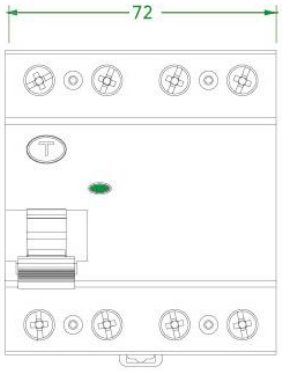
PR8NM RESIDUAL CURRENT CIRCUIT BREAKERS – INSTALLATION AND MECHANICAL FEATURES

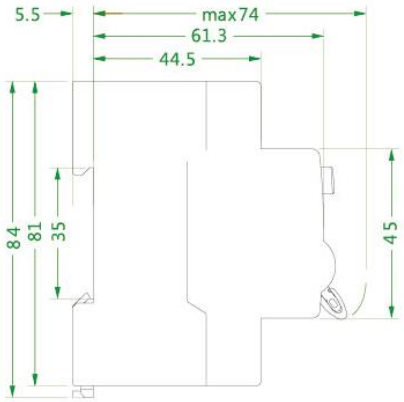
catalog number	series	electrical life	mechanical life	operating position indicator	degree of protection	storage temp.	operating temp.	maximum cross-sectional area of switching wires	tightening torque of connecting terminals
PR8NM 16A 30mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 16A 100mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 16A 300mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 16A 30mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 16A 100mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 16A 300mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 30mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 100mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 300mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 30mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 100mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 300mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 30mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 100mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 300mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 30mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 100mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 300mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 30mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 100mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 300mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 5A 30mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 100mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 25A 300mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 30mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 100mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 300mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 30mA A	PR8NM	4000	4000	yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 100mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 40A 300mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 63A 30mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 63A 100mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 63A 300mA AC	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 63A 30mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 63A 100mA A	PR8NM	4000	4000	Yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm
PR8NM 63A 300maA A	PR8NM	4000	4000	yes	IP 20	-30/+70°C	-30/+50°C	25 mm2	3Nm

CONNECTION DIAGRAM AND DIMENSIONS

4P	2P
	







Safety information:

- Installation, maintenance and possible replacement of this appliance must only be carried out by a qualified and authorised person.
- All relevant local, regional and national regulations must be complied with when installing, using, maintaining and replacing the unit.
- Opening or otherwise tampering with the unit will void the warranty.
- Loads exceeding the values specified from the manufacturer may damage the device itself as well as the connected electrical systems.
- Operation and assembly of the device is only permitted in accordance with the conditions contained in the manual and other product documents.
- Disconnect the power supply to the appliance before starting work.