



4941 3723



4941 3724



4942 3723



4950 6080

RESYS M40 - Earth leakage protection

RESYS M40 earth leakage relays associated with a remote trip breaking device (*automatic power breaking*), provide the following functions:

- Protection against indirect contact
- Limitation of leakage currents

They also preventively monitor electrical installations via a (*configurable*) pre-alarm function or when used as a signalling relay.

- Positive or negative security
- Modular DIN rail mountable (*same format as MCB's*) 44mm wide
- 2 relays with configurable function (*alarm or pre-alarm at 50% (IΔn)*)
- Adjustment of IΔn: 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3 - 5 - 10 - 30A
- Time delay: 0 - 0.06 - 0.15 - 0.30 - 0.50 - 0.80 - 1 - 4 - 10 sec
- Tripping accuracy by TRMS measurement (*improves immunity to nuisance tripping*)
- LED bargraph provides real-time display of leakage currents

type	current setting IΔn	time delay (sec)	power supply	description
RESYS M40 - Type A differential relay (H)85 x (W)44 x (D)63				
4941 3723	0.03 - 30A	0 - 10	115/230 VAC	electronic earth leakage relay
4941 3740	0.03 - 30A	0 - 10	400 VAC	electronic earth leakage relay
4941 3602	0.03 - 30A	0 - 10	12 - 125 VDC	electronic earth leakage relay

RESYS M40R - With automatic reclosing

M40R relay recloses the system up to six consecutive times after preselected time intervals. If the fault is still present after the sequence of six reclosing attempts, the relay is locked in alarm mode and a manual intervention will be required.

- Time delay between two reclosings: 7.5 - 15 - 30 - 60 - 120 - 240 sec
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|-----------|------------|--------|-------------|-------------------------------|
| 4941 3724 | 0.03 - 30A | 0 - 10 | 115/230 VAC | reclosing earth leakage relay |
| 4941 3741 | 0.03 - 30A | 0 - 10 | 400 VAC | reclosing earth leakage relay |

RESYS P40 - Panel mounting (48 x 48 mm)

As per RESYS M40 (*above*) but in panel mounting version

4942 3723	0.03 - 30A	0 - 10	115/230 VAC	panel mount earth leakage relay
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Core balance transformers (toroidal transformers) - type A

Active conductors pass through the aperture of the core balance transformer, providing a differential summation of vector currents, enabling detection of leakage currents.

type	aperture Ø diameter	description	dimensions (mm)		
			(H)	(W)	(D)
4950 6030	30 mm	core balance transformer for e/leakages	104	92	26
4950 6050	50 mm	core balance transformer for e/leakages	125	103	26
4950 6080	80 mm	core balance transformer for e/leakages	143	116	26
4950 6120	120 mm	core balance transformer for e/leakages	183	163	26
4950 6200	200 mm	core balance transformer for e/leakages	274	253	51

Larger aperture sizes available on request.

Accessories for above

Cable locator

Enables cables passing through toroids to be centred (*for direct cable mounting*)

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|-----------|--------|--|
| 4950 0011 | 30 mm | for directly mounting transformers onto cables |
| 4950 0012 | 50 mm | for directly mounting transformers onto cables |
| 4950 0013 | 80 mm | for directly mounting transformers onto cables |
| 4950 0014 | 120 mm | for directly mounting transformers onto cables |
| 4950 0031 | | DIN-rail clip (<i>for DIN rail mounting core balance transformers</i>) |