



RESYS

Type A earth leakage relays
Protection for personnel and equipment



ADAPTED PROTECTION
IMPROVED IMMUNITY
ERGONOMICS

The differential relays in the RESYS range provide optimised protection and monitoring for electrical installations: combined with an automatic tripping device, they ensure protection for personnel and equipment. As a preventive measure, they also signal the appearance of earthing faults.

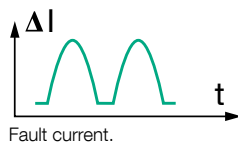
RESYS

Type A earth leakage relays

Benefits

Adapted protection

Type A earth leakage relays assures tripping when detecting a residual differential alternating sinusoidal currents or pulsed continuous residual currents where DC component remains below 6 mA.



Improved immunity

to EMC disturbances and reduced random tripping by means of the TRMS measurement (true root mean square).

Ergonomics

- Instantaneous display of permanent leakage currents.
- Compact flush-mounted and modular units with LED bargraph.
- Adjustment of $I_{\Delta n}$ from 0.03 to 30 A
- Time delay from 0 to 10 s.
- Alarm or pre-alarm configurable by the user in positive or negative security mode.

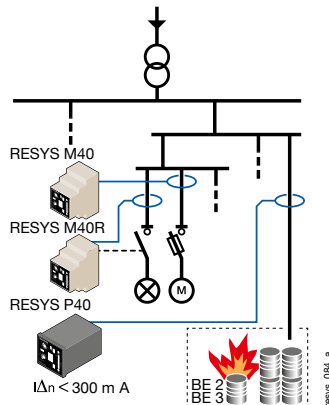
Conformity to standards

- IEC 60755
- IEC 62020
- IEC 60947-2
- IEC 60364

RESYS

Auxiliary power supply Us	RESYS M40	RESYS P40	RESYS M40R
115 VAC	4941 3723	4942 3711	4941 3724
230 VAC		4942 3723	
400 VAC	4941 3740	-	4941 3741
12 ... 125 VDC	4941 3602	4942 3602	-

Applications



- **Protection of personnel** against indirect contacts (TT earthing arrangement) or in case of non-interconnected earths (IT system) and in the presence of long lengths of cable (TN or IT systems).
- **Protection of installations** against the risks of fire or explosion generated by earth leakage currents in areas classed as BE2 or BE3.
- **Protection of the machine park** (motors, rotating machinery) and reduction of the downtime because of the faults which may occur in the monitored network.
- **Continuity of the power supply for strategic applications or in isolated sites (RESYS M40R)**
If the fault is not permanent, simple reclosing may be sufficient to re-establish the power supply and ensure continuity of service in the absence of a maintenance team.

To find out more

Visit our website:
www.socomec.com/en/resys



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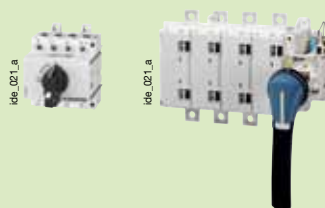
Core balance transformers

Differential toroidal transformers are essential to the operation of the RESYS. The ΔI_C range is complete, practical and innovative (patented accessories). Learn more on our website.



Also available

Remotely trippable switches from 32 to 1800 A



HEAD OFFICE

SOCOMECC GROUP

S.A. SOCOMECC capital 10 951 300 €
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex - FRANCE

INTERNATIONAL SALES DEPARTMENT

SOCOMECC

1, rue de Westhouse - B.P. 60010
F - 67235 Benfeld Cedex - FRANCE
Tel. +33 (0)3 88 57 41 41
Fax +33 (0)3 88 74 08 00
info.scp.isd@socomec.com

YOUR DISTRIBUTOR

www.socomec.com

