

49413602

## Differential relay RESYS M40 A type 12-125VDC



### Strong points

- Fully configurable
- Trigger accuracy by way of TRMS monitoring
- Real-time display of continuous leakage currents
- Compact modular design
- Improved immunity to EMC interferences

### General characteristics

- RESYS M40 with 2 configurable relays: either 2 alarm relays or 1 alarm relay and 1 pre-alarm relay (50%  $I_{\Delta n}$ ).
- Adjustment sensitivity from 0.03 mA to 30 A.
- Time delay 0 to 10 s.
- Tripping accuracy by TRMS measurement.
- Automatic instantaneous tripping at 30 mA.
- Positive or negative security configurable by the user.
- Selection of toroid ratio.
- Automatic permanent relay-toroid connection test.
- Sealable cover.

### Compliance with standards

- IEC 60755
- IEC 60947-2
- IEC 60664
- IEC 61543 A1

### Link to the reference

<https://apac.socomec.com/en/reference/49413602>

The RESYS M40 differential relay is combined with a triggered cut-off device (automatic power cut-off), to meet the following functions:

- Protect against indirect contact.
- Limit earth leakage currents.

It also ensures the preventive monitoring of electrical installations with its pre-alarm function (configurable) or when used in signalling relays.

#### ====- System -====

Fill rate E-Order Common	86
Fill rate E-Order Selection	75

#### Classification

UNSPSC	39122310
ETIM Class	EC001445
IGCC	5344

#### Commerce

Effective date	2012-10-26
Country of origin	GB
Discount Policy	1CG28
Discount Policy Label	RESYS RELAY
Length of the product unit	0.048
Width of the product unit	0.048
Depth of the product unit	0.08
Weight	0.14

#### ETIM - Electrical characteristics

External power supply required	Yes
Voltage type (supply voltage)	DC
Supply voltage DC [V]	12..125
Rated operating frequency [Hz]	47..63
Current measuring range [mA]	15..30000
Response value amperage 1 [mA]	30..30000
Response value amperage 2 [mA]	15..15000
Max. permitted delay-on energization time [s]	10
Number of contacts as change-over contact	2
Voltage type (operating voltage)	AC
Operating voltage AC 50 Hz [V]	400..400
Operating voltage AC 60 Hz [V]	400..400
Rated switch current [A]	8

#### ETIM - Mechanical characteristics

Type of electric connection	Screw connection
With detachable clamps	No
Width [mm]	48
Height [mm]	83
Depth [mm]	63.5

#### ETIM - Technical features

Function	For AC-current system
Indication of difference current	Yes
Error registration possible	No

#### Logistics

GTIN/EAN	3596032708689
Customs number	8536490099
Price unit	PC
Weight of the packing unit	0.14
Length of the packing unit	0.11
Width of the packing unit	0.075
Depth of the packing unit	0.047
<b>Norms</b>	
Conformity to standards	IEC
<b>Technical Characteristics</b>	
Control voltage	12-125 VDC
Time setting	0..10 s
Tripping threshold	30 mA .. 30 A
Type	RESYS M40 v2