

### Relays with 2 operation thresholds



R2D...



R3D...



R4D...

Ordering code	Rated auxiliary supply voltage	Output contacts	Qty per pkg	Wt
	[V]	4'	n°	[kg]

2 OPERATION THRESHOLDS.  
Flush mount. External CT. Fail safe.

<b>R2D 415</b>	110-240-415V	2	1	0.395
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2 OPERATION THRESHOLDS.  
Flush mount. External CT.  
Fail safe. Flag Indicator.

<b>R3D 415</b>	110-240-415V	2	1	0.405
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2 OPERATION THRESHOLDS.  
Flush mount. External CT.  
Fault current measurement. Digital display.  
Fail safe. Flag indicator.

<b>R4D 415</b>	110-240-415V	2	1	0.570
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- ① Supply voltage:  
110-125VAC (50/60Hz)  
220-240VAC (50/60Hz)  
380-415VAC (50/60Hz).

For dimensions see page 9-20.

#### General characteristics

- Earth leakage relay type A
- 2 output relays each with changeover contact, configurable 2 tripping or 1 tripping and 1 alarm
- Configurable fail safe prealarm and operation
- Automatic toroid connection control
- Green power LED indicator (ON)
- Red relay tripped LED indicator (TRIP)
- Red tripping prealarm LED indicator (ALARM)
- Front TEST button
- Manual resetting by front RESET button or remote contact closing
- Automatic resetting by remote contact closing or rear jumper connection
- Constant toroid-relay circuit control
- Flag indicator (TRIP MEMORY) (R3D-R4D only)
- Digital fault current measurement and display with configurable tripping value memory (R4D only)
- Shunt tripping circuit operating test (TCS) (R4D only)
- Flush mount 96x96mm housing with transparent cover
- IEC degree of protection: IP20 terminals, IP40 on front with cover.

#### ADJUSTMENTS FOR R2D and R3D

- Configurable tripping set-point (I $\Delta$ n): 0.025-0.25A  
0.25-2.5A  
2.5-25A  
25-250A (with external multiplier RX10)
- Prealarm set point fixed 70%
- Configurable tripping delay time (t): 0.02-0.5s  
0.2-5s

#### ADJUSTMENTS FOR R4D

- Configurable tripping set-point (I $\Delta$ n): 0.03-0.3A  
0.3-3A  
3-30A  
30-300A (with external multiplier RX10)
- Prealarm set point fixed 70%
- Configurable tripping delay time (t): 0.03-0.5s  
0.3-5s

#### Reference standards

Compliant with standards: IEC/EN 60947-2.

### Toroidal current transformers



31 RT...

31 RT...

Order code	Diameter	Openable	Qty per pkg	Wt.
	[mm]		n°	[kg]
<b>31 RT 35</b>	35	No	1	0.200
<b>31 RT 60</b>	60	No	1	0.245
<b>31 RT 80</b>	80	No	1	0.410
<b>31 RT 110</b>	110	No	1	0.400
<b>31 RT 210</b>	210	No	1	1.200
<b>31 RTA 110</b>	110	Yes	1	0.540
<b>31 RTA 210</b>	210	Yes	1	1.820

#### Reference standards

Compliant with standards: IEC/EN 60947-2.

### External multiplier

Order code	Description	Qty per pkg	Wt
		n°	[kg]
<b>31 RX 10</b>	10-fold multiplier suitable for R1D, RM, R2D, R3D and R4D types only	1	0.300

#### General characteristics

- Dimensions: refer to RT35 toroidal transformer on page 9-21.
- To connect between toroid and relay.

#### Reference standards

Compliant with standards: IEC/EN 60947-2.