20 Earth leakage relays



- Versions with type A and type B operating characteristics
- Modular, flush and internal panel mount version, with or without flag indicator, configurable pre-alarm indication and fail safe operation
- Versions with or without display
- Wide range of supply voltages
- Versions with automatic toroid connection control
- Type A and type B toroids
- Adjustable fault current I∆n
- Adjustment and choice of tripping range for both fault current and delay time.

	SEC.	- h	AGE
Type A			
Modular version with display, with 1 operation threshold	20	-	2
Modular version with display, with 2 operation thresholds	20	-	2
Modular version, with 1 operation threshold	20	-	2
Flush-mount version with 1 operation threshold	20	-	3
Flush-mount version with 2 operation thresholds	20	-	3
Panel mount version with 1 operation threshold	20	-	3
Type B			
Modular version with display, with 2 operation thresholds			
Toroidal current transformers	20	-	5
External multiplier	20	-	5
Accessories	20	-	5
Dimensions	20	-	6
Wiring diagrams	20	-	8
Technical characteristics	20	_	10



Page 20-2

MODULAR VERSION WITH DISPLAY TYPE A

RM1DA, RM2DA type

- Backlit LCD display
- Fault current measurement
- Version with 1 or 2 operation thresholds
- External toroidal transformer
- Adjustable tripping I∆n and delay time
- · Version with adjustable third harmonic filter.



Page 20-2

MODULAR VERSION TYPE A

RM1 type

- 1 operation threshold
- External toroidal transformer
- Fixed tripping I∆n and delay time.

RM type

- 1 operation threshold
- · External toroidal transformer
- . Adjustable tripping I∆n and delay time.



Page 20-3

FLUSH-MOUNT VERSION TYPE A

R1D, R2D, R3D and R4D type

- Version with 1 or 2 operation thresholds.
- · External toroidal transformer
- . Adjustable tripping I∆n and delay time
- Positive fail safe
- Version with fault current measurement
- · Version with digital display
- · Version with flag indicator
- Version with shunt tripping circuit.



Page 20-3

COMPACT PANEL MOUNT VERSION TYPE A RC type

- 1 operation threshold
- · Incorporated toroidal transformer
- Adjustable tripping I∆n and delay time
- 35mm to 110mm diameter.



Page 20-4

MODULAR VERSION WITH DISPLAY TYPE B RM2DB type

- Backlit LCD display
- Measure fault current in AC and DC components
- 2 operation thresholds
- External toroidal transformer
- Adjustable tripping I∆n and delay time
- Harmonics analysis.



Page 20-5

TOROIDAL CURRENT TRANSFORMERS

RT type

- Type A
- Solid core
- 35mm to 210mm diameter.

RTA type

- Type A
- Split core
- 110mm and 210mm diameter.

RTB type

- Type B
- Solid core
- 35mm to 210mm diameter.



Page 20-5

EXTERNAL MULTIPLIER

RX10 type

• 10-fold multiplier.





Modular version with display type A





new

RM1DA..

1		•••
	Secretary Secret	ON O LSS SETUP
1	DED	

RM2DA...

Order code Rated auxiliary Output Qty Wt supply voltage contacts per pkg ኘ' SPDT n° [V] [kg]

1 OPERATION THRESHOLD.

Modular, 35mm DIN (IEC/EN/BS 60715) rail mounting. External CT.

RM1DA230 230VAC 0.300

2 OPERATION THRESHOLDS.

Modular, 35mm DIN (IEC/EN/BS 60715) rail mounting.

RM2DA230 230VAC 2 1 0.200
--

General characteristics

- Earth leakage relay type A True RMS measurements (TRMS)
- Adjustable third or twenty-first harmonic filter (only for RM2DA230)
- RMZDA230)
 Modular DIN 43880 housing, 2 modules (RM1DA230) or 3 modules (RM2DA230), suitable for fixing on 35mm DIN rail (IEC/EN/BS 60715) execution
- 31RT... series external toroid Display of the differential current values
- Backlit LCD display with indication of the relay status via display color (green, yellow, red)
- Green power LED indicator (ON)
- Yellow pre-alarm LED indicator (only for RM2DA230)
- Red LED indicator for trip intervention (only for RM2DA230)
- TEST and RESET buttons on the front or remote contact closure (only for RM2DA230)
- 1 (RM1DA230) or 2 (RM2DA230) independent relay outputs, the second output can be set as a pre-alarm
- Operation with positive safety for each relay (settable)
- Digital inputs for test function and remote reset (only for RM2DA230)
- Instantaneous trend graph of the current measurement (only for RM2DA230)
- Fault current intervention event log
- Possibility to protect settings via password
- IEC degree of protection: IP20 terminals, IP40 on front.

ADJUSTMENTS

- Configurable tripping set-point (I∆n): 0.030...30A
- Configurable tripping delay time (t): 0.2...10s.

Certification and compliance

Certification and compliance
Compliant with standards: RM1DA230: IEC/EN 61010,
IEC/EN 61000-6-2 IEC/EN 61000-6-3, IEC/TR 60755,
EN 60947-2 (Annex M). RM2DA230: EN 61326-1:2013-01
EN 61326-2-1:2013-01 EN 61326-2-2:2013-01
EN 61326-2-3:2013-01 EN 61326-2-4:2013-01
EN 61326-2-3:2013-01 EN 60473:2047. (Apage M) EN 61326-2-5:2013-01 EN 60947-2:2017-10 (Annex M) EN 61543/A2:2006-02, EN 61543/A11, EN 61543/A12.

Modular version type A



RM1...



31RM...



31RMT...

Order code	Rated auxiliary supply voltage	Output contacts	Qty per pkg	Wt
	[V]	ኘ' SPDT	n°	[kg]

1 OPERATION THRESHOLD.

Modular, 35mm DIN (IEC/EN/BS 60715) rail mounting.

External of the tripping set point and time.							
RM1415	110-240-415V	1	1	0.175			
	0						

1 OPERATION THRESHOLD.

Modular, 35mm DIN (IEC/EN/BS 60715) rail mounting. External CT.

31RM48	24-48VAC/DC	1	1	0.190
31RM415	110-240-415V	1	1	0.190

1 OPERATION THRESHOLD.

Modular, 35mm DIN (IEC/EN/BS 60715) rail mounting. Ø28mm/Ø1.1" incorporated CT. Configurable fail safe.

31RMT415	110-240-415V	2	1	0.375
----------	--------------	---	---	-------

- Supply voltage:

 110...125VAC (50/60Hz)/DC
 220...240VAC (50/60Hz)
- 380...415VAC (50/60Hz)

General characteristics

- Earth leakage relay type A
- Configurable fail safe operation for RMT type only
- Green power LED indicator (ON)
- Red relay tripped LED indicator (TRIP)
- Front TEST and RESET buttons
- Configurable automatic or manual resetting
- Modular DIN 43880 housing, 2 modules, with transparent cover, suitable for fixing on 35mm DIN rail (IEC/EN/BS
- IEC degree of protection: IP20 terminals, IP40 on front with cover.

SETTINGS FOR RM1

- Selectable tripping set-point (I∆n): fixed 0.3A or 0.5A
- Selectable tripping time (t): fixed 0.02s or 0.5s.

ADJUSTMENTS FOR 31RM AND 31RMT

Configurable tripping 0.025...0.25A 0.25...2.5A 2.5...25A set-point (I\Dan):

25...250A (with external multiplier 31RX10 for RM only)

Configurable tripping 0.02...0.5s delay time (t): 0.25s

Certification and compliance

Certification obtained: FAC

Compliant with standards: IEC/EN/BS 60947-2.

20

Flush-mount version type A



R1D...



R2D...



R3D...



R4D...

Order code	Rated auxiliary supply voltage	Output contacts	Qty per pkg	Wt
	[V]	ጎ' SPDT	n°	[kg]

1 OPERATION THRESHOLD. Flush mount. External CT.

R1D415 110-240-415V 1 0 0	1	1	0.280
---	---	---	-------

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

R2D415	110-240-415V ①	2	1	0.395	

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

R3D415	110-240-415V ①	2	1	0.405	

2 OPERATION THRESHOLDS. Flush mount. External CT.

Fault current measurement. Digital display.

Fail safe. Flag indicator.

R4D415	110-240-415V ①	2	1	0.570
♠ C				

- Supply voltage: 110...125VAC (50/60Hz)/DC 220...240VAC (50/60Hz)
- 380...415VAC (50/60Hz)

General characteristics

- Earth leakage relay type A
- Green power LED indicator (ON)

- Red relay tripped LED indicator (TRIP)
 Front TEST and RESET buttons
 Configurable automatic or manual resetting
 Flush mount 96x96mm/3.78"x3.78" housing with transparent cover
- IEC degree of protection: IP20 terminals, IP40 on front with cover.

ADJUSTMENTS FOR R1D

Configurable tripping 0.025...0.25A set-point (I∆n): 0.25...2.5A 2.5...25A

25...250A (with external

multiplier 31RX10)

0.02...0.5s Configurable tripping delay time (t):

R2D415 - R3D415 - R4D415

- Earth leakage relay type A
 2 output relays each with changeover contact,
 configurable as 2 tripping or 1 tripping and 1 alarm
 Configurable fail safe pre-alarm and operation
- Automatic toroid connection control
- Green power LED indicator (ON)
- Red relay tripped LED indicator (TRIP)
 Red tripping pre-alarm LED indicator (ALARM)
 Front TEST button
- Manual resetting by front RESET button or remote contact
- Automatic resetting by remote contact closing or rear jumper connection 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/3.78"x3.78" housing with
- transparent cover
- IEC degree of protection: IP20 terminals, IP40 on front with cover.

ADJUSTMENTS FOR R2D and R3D

Configurable tripping 0.025...0.25A set-point ($I\Delta n$): 0.25...2.5A

2.5...25A 25...250A (with external multiplier 31RX10)

Pre-alarm set-point: fixed 70% Configurable tripping 0.02...0.5s delay time (t): 0.2...5s.

ADJUSTMENTS FOR R4D

Configurable tripping 0.03...0.3A set-point (I∆n): 0.3...3A

3...30A 30...300A (with external multiplier 31RX10)

Pre-alarm set-point: fixed 70% Configurable tripping 0.03...0.5s delay time (t): 0.3...5s.

Certification and compliance

Certification obtained: EAC.

Compliant with standards: IEC/EN/BS 60947-2.

Panel mount version type A



31RC60...



Supply voltage:

31RC@48

31RC@415

Order code

– 110...125VAC (50/60Hz)/DC – 220...240VAC (50/60Hz)

1 OPERATION THRESHOLD.

Compact panel mount. CT incorporated

0

- 380...415VAC (50/60Hz).
- 2 Replace with the digit of the required diameter (35-60-80-110mm/ 1.38-2.36-3.15-4.33").

Rated auxiliary

supply voltage

24-48VAC/DC

110-240-415V

Output

contacts

ጎ' SPDT

1

Qty

per

pkg

n°

Wt

[kg]

0.485

0.485

General characteristics

- Green power LED indicator (ON)
 Red relay tripped LED indicator (TRIP)
 Front TEST and RESET buttons
- Configurable automatic or manual resetting
- Compact housing for fixing on panel mounting plate
- IEC degree of protection: IP20 terminals.

ADJUSTMENTS FOR RC

Configurable tripping 0.025...0.25A set-point (I∆n): 0.25...2.5A 2.5...25A Configurable tripping 0.02...0.5s delay time (t): 0.2...5s.

Certification and compliance

Certification obtained: EAC.

Compliant with standards: IEC/EN/BS 60947-2.

31RC110...

20 Earth leakage relays

Type B



Modular version with display type B





	117				pkg	
	[V]		۲'	SPDT	n°	[kg]
2 OPERATION 7	THRESHOLD	S.				

supply voltage | contacts

Output

Qty

per

Wt

Rated auxiliary

Order code

Modular, 35mm DIN (IEC/EN/BS 60715) rail mounting. External CT.

RM2DB230	230VAC	2	1	0.200

General characteristics

- Earth leakage relay type B
 True RMS measurements (TRMS)
 Adjustable third or twenty-first harmonic filter (only for
- RM2DA230)
 Modular DIN 43880 housing, 3 modules, suitable for fixing on 35mm DIN rail (IEC/EN/BS 60715) execution
- It can be used with just a single external toroid from the RTB series...
 Display of differential current values, both AC and DC
- components
- Backlit LCD display with indication of the relay status via display color (green, yellow, red)
- Green power LED indicator (ON)
- Yellow pre-alarm LED indicator
- Red LED indicator for trip intervention
- TEST and RESET buttons on the front or remote contact
- 2 independent relay outputs, the second output can be set as a pre-alarm threshold
- Operation with positive safety for each relay (settable)
- Digital inputs for test function and remote reset
- Self-test function to verify the correct connection of the toroidal current transformer
- Possibility to protect settings via password
 IEC degree of protection: IP20 terminals, IP40 on front.

ADJUSTMENTS

- Configurable tripping set-point (I∆n): 0.030...30A
- Configurable tripping delay time (t): 0.2...10s.

Certification and compliance

Compliant with standards: RM2DB230: EN 61326-1:2013-01, EN 61326-2-1:2013-01, EN 61326-2-2:2013-01, EN 61326-2-3:2013-01, EN 61326-2-4:2013-01, EN 61326-2-5:2013-01, EN 60947-2:2017-10 (Annex M), EN 61543/A2:2006-02, EN 61543/A11, EN 61543/A12.



Toroidal current transformers





Order code	Diameter	Openable	Qty per pkg	Wt
	[mm/in]		n°	[kg]
Type A.				
31RT35	35/1.38"	No	1	0.200
31RT60	60/2.36"	No	1	0.245
31RT80	80/3.15"	No	1	0.410
31RT110	110/4.33"	No	1	0.400
31RT210	210/8.27"	No	1	1.200
31RTA110	110/4.33"	Yes	1	0.540
31RTA210	210/8.27"	Yes	1	1.820
Type B.				
RTB35	35/1.38"	No	1	0.322
RTB60	60/2.36"	No	1	0.392
RTB80	80/3.15"	No	1	0.602
RTB110	110/4.33"	No	1	0.680
RTB210	210/8.27"	No	1	0.955

Certification and complianceCertification obtained: EAC (only for 31RT...).
Compliant with standards: IEC/EN/BS 60947-2.

External multiplier



31RX10

RTB...

Order code	Description	Qty per pkg	Wt
		n°	[kg]
31RX10	10-fold multiplier suitable for R1D, RM, R2D, R3D and R4D types only	1	0.300

General characteristics

- To connect between toroid and relay.

Certification and complianceCertification obtained: EAC.
Compliant with standards: IEC/EN/BS 60947-2.

Accessories



DMXP03

Order code	Description	Qty per pkg	Wt
		n°	[kg]
DMXP03	Panel mounting for 3 modules devices	1	0.052

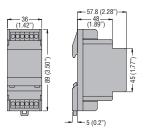
20 Earth leakage relays

Dimensions [mm (in)]

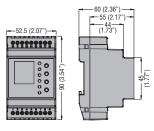


MODULAR VERSION EARTH LEAKAGE RELAYS

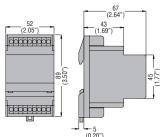
RM1DA230



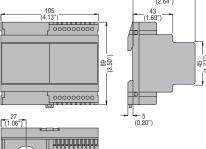
RM2DA230 - RM2DB230



RM1 - 31RM

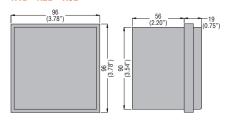


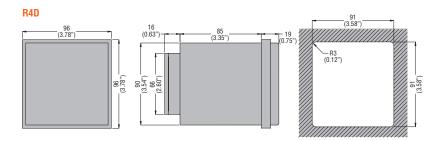




FLUSH-MOUNT VERSION EARTH LEAKAGE RELAYS

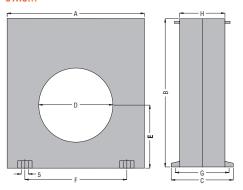
R1D - R2D - R3D





PANEL MOUNT VERSION EARTH LEAKAGE RELAYS

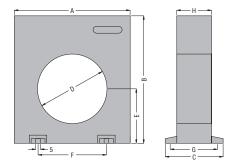
31RC...



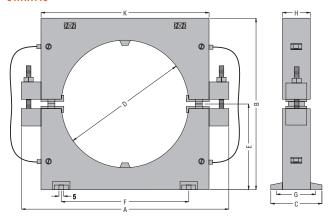
TYPE	A	В	С	D	E	F	G	Н
31RC35	100 (3.94")	110 (4.33")	70 (2.75")	35 (1.38")	47 (1.85")	60 (2.36")	60 (2.36")	50 (1.97")
31RC60	100 (3.94")	110 (4.33")	70 (2.75")	60 (2.36")	47 (1.85")	60 (2.36")	60 (2.36")	50 (1.97")
31RC80	150 (5.90")	160 (6.30")	70 (2.75")	80 (3.15")	70 (2.75")	110 (4.33")	60 (2.36")	50 (1.97")
31RC110	150 (5 90")	160 (6.30")	70 (2 75")	110 (4.33")	70 (2 75")	110 (4 33")	60 (2.36")	50 (1 97")

TOROIDAL CURRENT TRANSFORMERS AND EXTERNAL MULTIPLIER

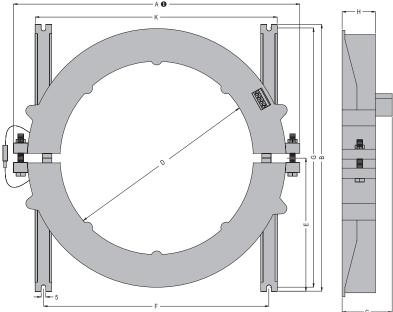
31RT35 - 31RT60 - 31RT80 - 31RT110 - 31RX10 RTB035 - RTB060 - RTB080 - RTB110



31RTA110



31RT210 - 31RTA210 - RTB110

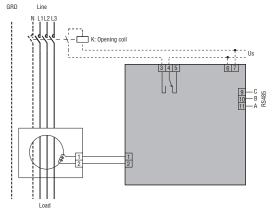


• With screws, for 31RTA210 split-core type; fixed structure, without screws, for 31RT210 type.

TYPE	A	В	С	D	E	F	G	Н	K
31RT35 - RTB035	100 (3.94")	110 (4.33")	50 (1.97")	35 (1.38")	47 (1.85")	60 (2.36")	43 (1.69")	30 (1.18")	_
31RT60 - RTB60	100 (3.94")	110 (4.33")	50 (1.97")	60 (2.36")	47 (1.85")	60 (2.36")	43 (1.69")	30 (1.18")	_
31RT80 - RTB80	150 (5.90")	160 (6.30")	50 (1.97")	80 (3.15")	70 (2.75")	110 (4.33")	43 (1.69")	30 (1.18")	_
31RT110	150 (5.90")	160 (6.30")	50 (1.97")	110 (4.33")	70 (2.75")	110 (4.33")	43 (1.69")	30 (1.18")	_
31RT210 - RTB110	310 (12.20")	290 (11.41")	54 (2.12")	210 (8.27")	145 (5.71")	240 (9.45")	280 (11.02")	36 (1.42")	258 (10.16")
31RTA110	180 (7.09")	150 (5.90")	45 (1.77")	110 (4.33")	75 (2.95")	110 (4.33")	38 (1.50")	25 (0.98")	145 (5.71")
31RTA210	310 (12.20")	290 (11.41")	54 (2.12")	210 (8.27")	145 (5.71")	240 (9.45")	280 (11.02")	36 (1.42")	258 (10.16")
31RX10	100 (3.94")	110 (4.33")	50 (1.97")	_	_	60 (2.36")	43 (1.69")	30 (1.18")	_

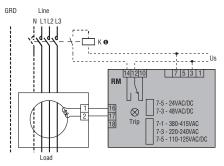
EARTH LEAKAGE RELAYS

RM1DA230

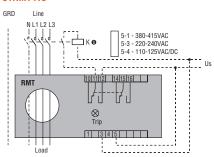


RM2DA230 GRD Line – 📙 K: Opening coil 1 2 3 4 5 6 10 11 12

RM1415 - 31RM...

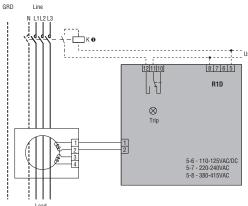


31RMT415

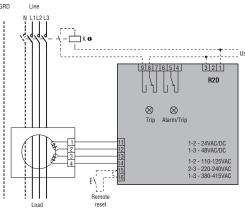


1 The coil connection can vary depending on the connected type of device (contactor, breaker with shunt trip release or breaker with undervoltage trip release).

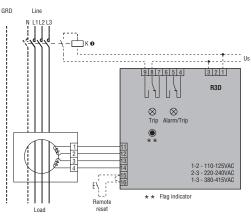
R1D415



R2D415 GRD

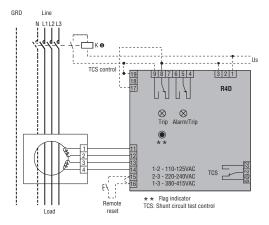


R3D415



• The coil connection can vary depending on the connected type of device (contactor, breaker with shunt trip release or breaker with undervoltage trip release).

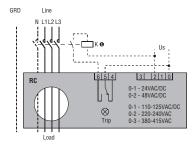
R4D415



Туре	Us	Us wiring	TCS wiring
R4D415	110-125VAC	1-2	17-18
	220-240VAC	2-3	17-18
	380-415VAC	1-3	17-19

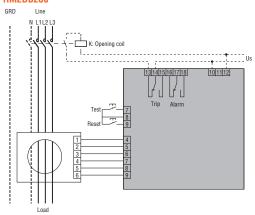
Wiring diagrams

31RC...



• The coil connection can vary depending on the connected type of device (contactor, breaker with shunt trip release or breaker with undervoltage trip release).

RM2DB230





20 Earth leakage relays Technical characteristics



TYPE	RM1DA230	RM2DA230	R1D0	R2D ⊙	R3D ⊙		
DESCRIPTION	'				1		
	Modular, 1 operating threshold	Modular, 2 operating thresholds	Flush mount with transparent cover, 1 operating threshold	Flush mount with transparent cover, 2 operating thresholds constant toroid-relay circuit control	Flush mount with transparent cover, 2 operating thresholds constant toroid-relay circuit control		
CONTROL CIRCUIT							
Toroidal transformer		(External see types given on page 20-	5)			
Adjustments Tripping set-point (I∆n)	0.03030A			r)			
Pre-alarm set-point	Prograi	mmable	_	70% I∆n (fixed)	70% I∆n (fixed)	1	
Tripping delay time (t)	0.02.	10s		0.020.5s (tx1) 0.25s (tx10)			
Selection of multiplier for I∆n and t	_	_		By dip-switches			
Resetting	Configurable automatic or manual by button on front	Automatic by remote contact closing or rear jumper connection Manual by button on front or remote contact closing	Configurable automatic or manual by button on front❷	conn	tact closing or rear jumper ection t or remote contact closing		
Shunt circuit control		_	_	_	_		
AUXILIARY SUPPLY							
Auxiliary voltage Us		_	_	_	_		
(0.85 - 1.1 Us limit)	220240VAC	90250VAC 120350VDC	110125VAC/DC 220240/380415VAC	110125/2202	240/380415VAC		
Rated frequency			5060Hz				
Power consumption (maximum) RELAY OUTPUTS	2VA	6VA		4VA			
State	Configurable normally de-energised or energised	Configurable normally de-energised or energised	Normally de-energised	Configurable normally de-energised or energised	Configurable normally de-energised or energised		
Contact arrangement	1 changeover SPDT (trip)	2 changeover SPDT each (configurable: 1 trip and 1 alarm)	1 changeover SPDT (trip)		er SPDT each or 1 trip and 1 alarm)		
Rated contact capacity IEC Ith			5A 250VAC				
Mechanical life	20x10 ⁶ cycles	10x10 ⁶ cycles		50x10 ⁶ cycles			
Electrical life			3x10⁵ cycles				
INSULATION							
Power frequency withstand voltage			2.5kV for 60s				
INDICATIONS	_	1					
Auxiliary voltage available (ON)	Green LED	Green LED and green backlight	Green LED				
Relay tripping (TRIP)	Red backlight	Red LED and red backlight	Red LED				
Trip prealarm (ALARM)	Yellow backlight	Yellow LED and yellow backlight	_	Red LED	Red LED		
Mechanical (TRIP MEMORY)	_	_	_	_	Flag indicator		
Shunt circuit tripping (TCS) CONNECTIONS	_	_	_	_	_		
Type of terminals			Fixed				
Tightening torque maximum			0.5Nm (4.5lb.in)				
Conductor section minmax			0.22.5mm ² (2412AWG)				
AMBIENT CONDITIONS	1		,				
Operating temperature			-10+60°C				
Storage temperature	000/	050/	-20+80°C	000/			
Relative humidity	≤90%	≤95%		≤90%			
HOUSING Metarial			olf outinguishing a street	ata			
Material		Si	elf-extinguishing polycarbon	ale			

- Type A, sensitive to residual sinusoidal AC and pulsating DC currents.
 Remote resetting by removing power for more than 1 second.
- 3 Digital display of fault current measurement and tripping value memory.

Earth leakage relaysTechnical characteristics



R4D ⊕ ⊗	RM1 ⊙	31RM0	31RMT ⊙	31RC ⊙	RM2DB			
 Flush mount with display and	Modular with transparent	Modular with transparent	Modular with transparent	Compact,	Modular,			
cover, 2 operating thresholds - constant	cover, 1 operating threshold	cover, 1 operating threshold	cover, 1 operating threshold	1 operating threshold	1 operating thresholds			
 toroid-relay circuit control								
(:	External see types given on page 20-5	i)	Incorporated Ø28mm/1.1"	Incorporated 35-60-80-110mm/ 1.38-2.36-3.15-4.33" standard diameter	External (see types given on page 20-5)			
0.030.3A (x0.1) 0.33A (x1) 330A (x10) 30300A (external multiplier)	0.3A or 0.5A	0.0250.25A (x0.1) 0.252.5A (x1) 2.525A (x10) 25250A (external multiplier)	0.0250.25A (x0.1) 0.252.5A (x1) 2.525A (x10)	0.0250.25A (x0.1) 0.252.5A (x1) 2.525A (x10)	0.03030A			
70% I∆n (fixed)		_	_	_	Programmable			
0.030.5s (tx1) 0.35s (tx10)	0.02s or 0.5s	0.020.5s (tx1) 0.25s (tx10)	0.020.5s (tx1) 0.25s (tx10)	0.020.5s (tx1) 0.25s (tx10)	0.0210s			
		By dip-	switches	, ,	_			
Automatic by remote contact closing or rear jumper connection Manual by button on front or remote contact closing			A: Automatic or button on front		Automatic by remote contact closing or rear jumper connection Manual by button on front or remote contact closing			
 Yes		-			_			
 — 110125/220240/		— 24-48VAC/DC — 24-48VAC/DC 110125VAC/DC						
 380415VAC		220240/380415VAC						
		Г						
 4VA		3	VA		4VA			
Configurable normally de-energised or energised	Normally de-energised	Normally de-energised	Configurable normally de-energised or energised	Normally de-energised	Configurable normally de-energised or energised			
2 changeover SPDT each (configurable: 2 trip or 1 trip and 1 alarm)	1 changeover SPDT (trip)	1 changeover SPDT (trip)	2 changeover SPDT each (both trip)	1 changeover SPDT (trip)	2 changeover SPDT each (configurable: 1 trip and alarm)			
			250VAC					
 50x10 ⁶ cycles			⁶ cycles		10x10 ⁶ cycles			
		3x10	⁵ cycles					
		2.5kV	for 60s					
Green LED		Gree	n LED		Green LED and green backlight			
Red LED		Red LED and red backlight						
Red LED		_						
Flag indicator		yellow backlight —						
 Red LED		-			_			
Removable, plug-in			Fixed					
 		0.5Nm	(4.5lb.in)					
			2 (24 12AWG)					
		0.22.5mm	² (2412AWG)					
		0.22.5mm -10	+60°C					
		0.22.5mm -10 -20	,		OFF.			
		0.22.5mm -10	+60°C		≤95%			