

Catalogue No: **RD1B214**
ELR DIN MOUNT 4P 2C/O 240V AC

Power Distribution and Protection > Earth Leakage Protection > Earth Leakage Relays > IME Earth Leakage Relays and Toroids > DIN Mount Earth Leakage Relays > RD1B2 Series



Earth Leakage Relay RD1B, DIN mount 4 module 240V AC

- Standard AS/NZS IEC 60947-2 (annex B and M)
- Core balance earth leakage relay
- Field adjustable
- 2 wire toroid connection
- Adjustable $I_{\Delta n}$ up to 30 A
- Local or remote reset/ test
- Selectable negative or positive security
- Adjustable trip time up to 5 seconds
- Automatic permanent test

Representative Photo Only
 (actual product may vary based on configuration selections)

SPECIFICATIONS

Product Series	Delta D4-S
Component Type Power Distribution & Protection	Earth Leakage Relay
Details, Connection	Low voltage lines, with series TD transformer.
Input Frequency, Nom	50 Hz
Waveform	Sinusoidal (type AC) or chopped pulsating with superimposed D.C. (type A) according to EN60947-2 (annex Band M) IEC60947-2
Operational Frequency, Min	47 Hz min
Operational Frequency, Max	63 Hz max
Unom, Supply Voltage, AC, Nom	240 V AC
Umin, Supply Voltage, AC, Min	204 V AC
Umax, Supply Voltage, AC, Max	264 V AC
Burden, Rated	2.5 VA
Power Dissipation, Max	2 W
Number of Setpoints	19
Setpoint Range(s)	Configurable 0.03 ... 30A
Configuration Method	Potentiometer / DIP-Switch
Trip Time, Max	5000 ms
Details, Indicator	Power ON: Green LED "ON". Alarm intervention: Red LED "Trip" + Relay switching. Ring current transformer - relay connection failure: Red LED "Trip" blinking + "Trip" Relay switching.
Display Technology	LED Sequence
Reset Type	Manual local or remote
Alarm Function	Yes
Details, Alarm	Trip contact and RED LED
Number of Alarm Contacts	2

Catalogue No: **RD1B214**
ELR DIN MOUNT 4P 2C/O 240V AC

Power Distribution and Protection > Earth Leakage Protection > Earth Leakage Relays > IME Earth Leakage Relays and Toroids > DIN Mount Earth Leakage Relays > RD1B2 Series



Contact Configuration	2 CO
Reverse Polarity Protection	No Y/N
Details, Output(s)	1 SPDT alarm contact and 1 SPDT contact selectable alarm or pre-trip alarm.
Installation Category	III
Pollution Degree	2
Ui, Rated Insulation Voltage	450 V (rms)
Uimp, Impulse Withstand Voltage	5 kV
Terminal Type	Screw Terminal(s)
Mounting	DIN-35 Rail Mount
Material, Body / Housing	Plastic/PC (Polycarbonate) self-extinguishing material
IP Rating, Front	IP40
IP Rating, Terminals	IP20
Frequency Tolerance	47...63 Hz
Non-operating residual current (IEC60755)	50% I Δ n
Intervention time t:	0, 0.15, 0.25, 0.5, 1.0, 2.5, and 5 s
Operating Temperature, Min	-10 °C min
Operating Temperature, Max	55 °C max
Storage Temperature, Min	-40 °C min
Storage Temperature, Max	70 °C max
Humidity Type	Suitable for tropical environments
Height	89.5 mm
Current set point I Δ n	0.03, 0.05, 0.075, 0.1, 0.15, 0.2, 0.3 3 ranges x1, x10, x100
Standards Compliance	DIN 43880 EN 60529 EN 60715 EN 60755 EN 60947-1 EN 60947-2 IEC 60529 IEC 60715 IEC 60947-1 IEC 60947-2 IEC 60755 AS 60947-2 EN 50081-1 EN 50082-2 EN 55011
Power On	Green LED
Details, Pre-Alarm	50% I Δ n relay switching
Visible Trip Indicator	Red LED
Relative Humidity, Average	50 %RH
Width	70 mm
Depth	65.6 mm
Weight	0.28 kg
RCD Type, AS/NZS 60947-2	A
I Δ n, Leakage Current, Max	30 A

Catalogue No: **RD1B214**
ELR DIN MOUNT 4P 2C/O 240V AC

Power Distribution and Protection > Earth Leakage Protection > Earth Leakage Relays > IME Earth Leakage Relays and Toroids > DIN Mount Earth Leakage Relays > RD1B2 Series



REFERENCES

IECEX Certificate -

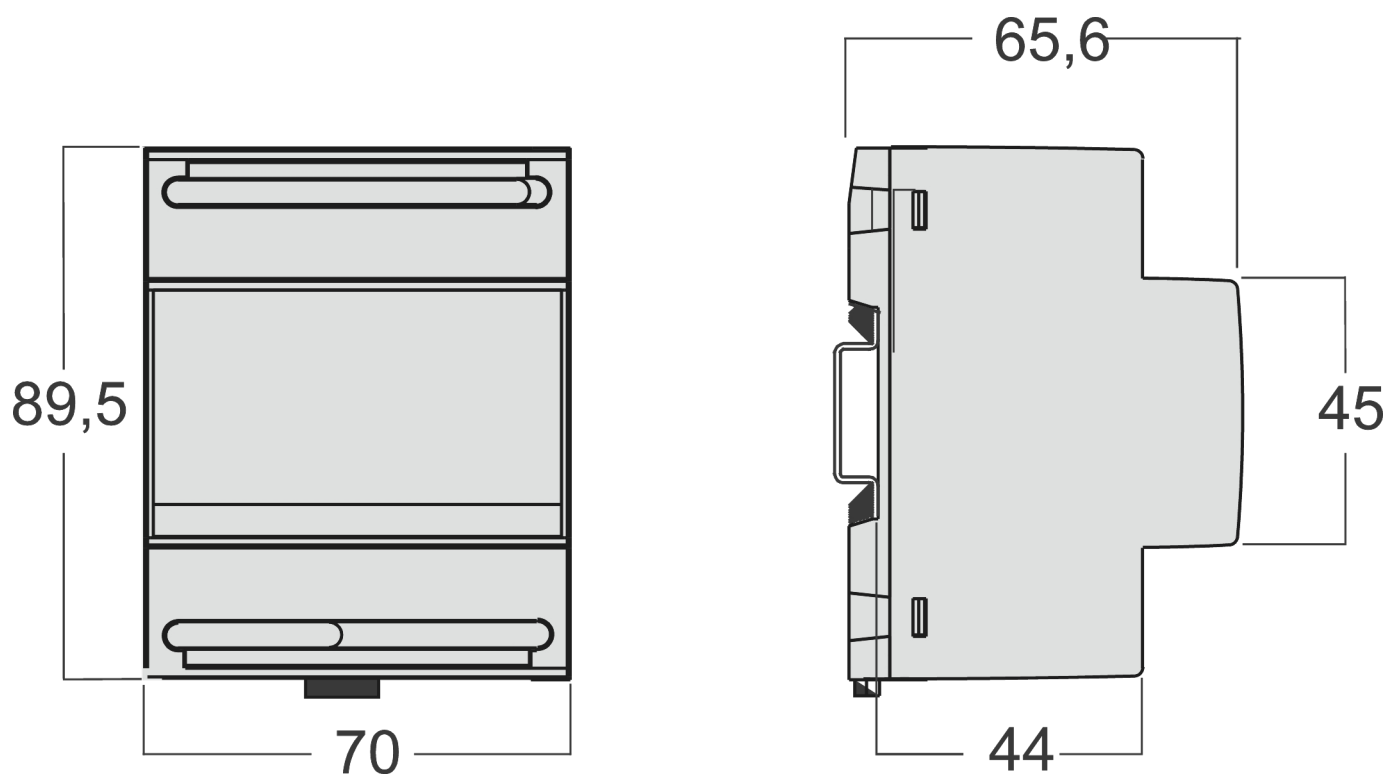
Supplier Declaration of Conformity: -

Installation Guide: -

User Manual: [RD1B214_User Manual](#)

Manufacturer Datasheet: [RD1B214_Manufacturer Datasheet](#)

Manufacturer Catalogue & Product Selection: -



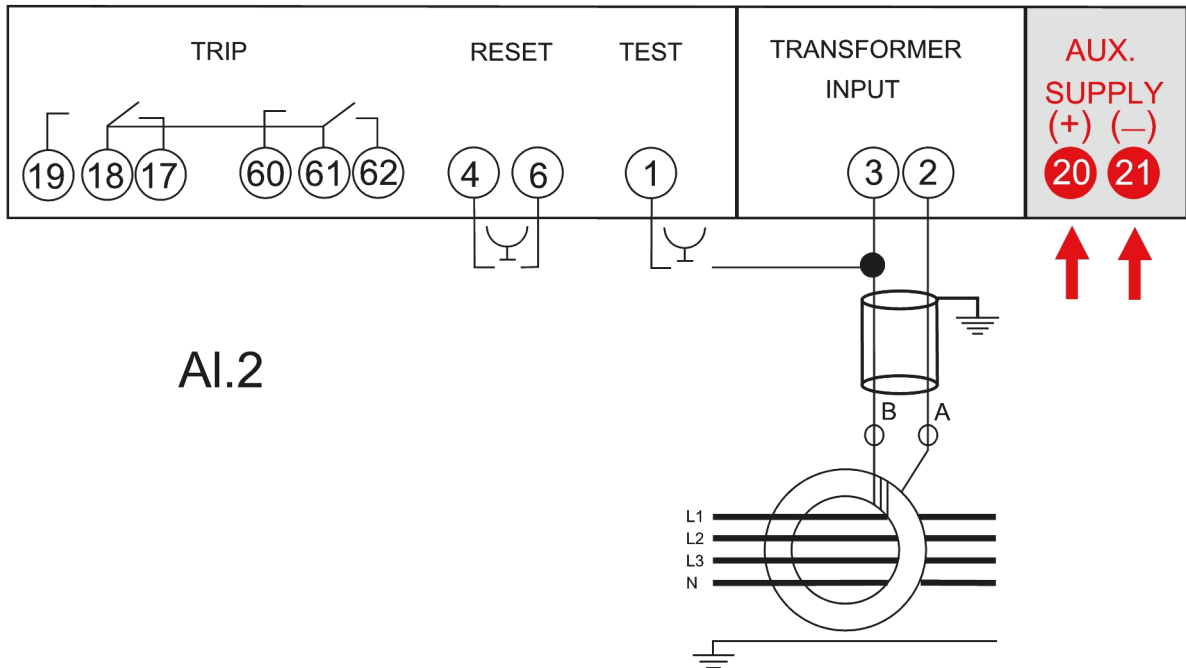
Dimension Diagram

Catalogue No: **RD1B214**
ELR DIN MOUNT 4P 2C/O 240V AC

Power Distribution and Protection > Earth Leakage Protection > Earth Leakage Relays > IME Earth Leakage Relays and Toroids > DIN Mount Earth Leakage Relays > RD1B2 Series



S 291/123



AI.2

Connection / Wiring Diagram