



Features:

- ▶ Current display in percentage
- ▶ User settable trip level and timer delay
- ▶ DIN Rail mount
- ▶ CBCT open circuit detection
- ▶ CBCT available in various sizes
- ▶ Compliance with IEC 947-1



Advantages:

- ▶ DIN Rail mounted
- ▶ Protects human life
- ▶ Constant leakage current detection
- ▶ Fewer nuisance trips

Applications:

- ▶ Generator Control Panel
- ▶ Distribution Control Panel
- ▶ Protection Control Panel

Input Specification

Status	Normally de-energised
Reset	Manual

Output Specifications

Alarm Relay Output (Optional)	50% of Range 1 SPDT switch NO (5A and 240V AC) NC (5A and 240V AC)
Trip Relay Output	80-90% of Range 1 SPDT switch NO (5A and 240V AC) NC (5A and 240V AC)
Relay Contacts	1 potential free contact (NO,C & NC)
Contact Rating	6A/230V AC/28V DC

Functional Specifications

Set Point	(0.03, 0.10, 0.30, 0.50, 1.0, 3.0, 5.0, 10.0, 20.0 & 30.0 A)
Power ON Delay	Approx. 1 sec
Trip time Delay	0.04 to 10 sec
CBCT Sizes	35mm, 70mm, 120mm, 210mm and any other rectangular/round CBCT on request

Supply Specifications

Supply Voltage	90-270V AC/DC (±15%)
Supply Frequency	50/60 Hz
Power Consumption	3VA max.

Environmental Specification

Operating Temperature	-10 C to 70 C
Storage Temperature	-20 C to 50 C
Humidity	<95% RH

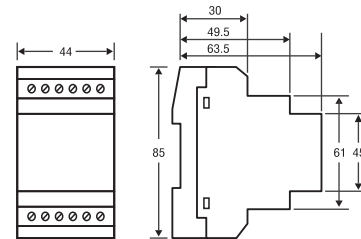
Mechanical Specification

Weight	228 g
Dimensions	45x90x75mm (WxHxD)
Mounting	DIN Rail (35mm)
Enclosure	ABS Thermoplastic

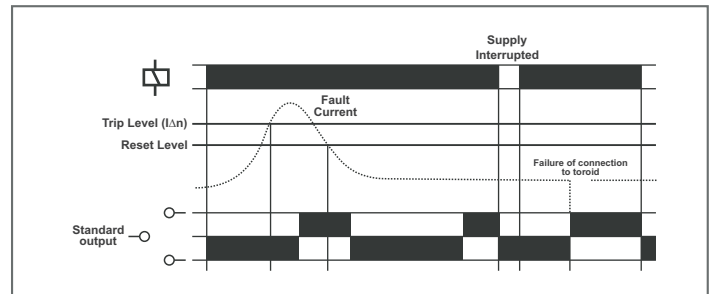
User Settable Parameters

Range Set	0.03, 0.10, 0.30, 0.50, 1.0, 3.0, 5.0, 0.0, 20.0 & 30.0 A
Delay Set	0.04, 0.06, 0.15, 0.25, 0.5, 0.8, 1, 2.5, 5, 10 Sec

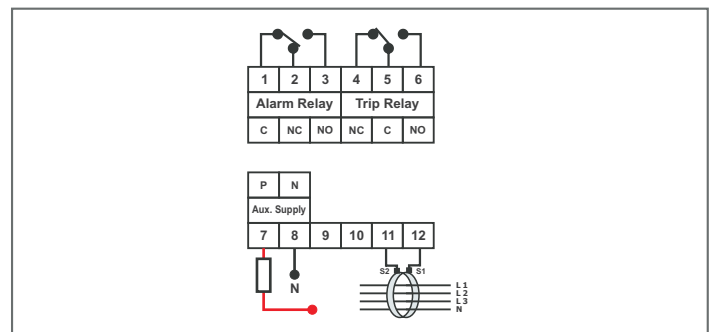
Dimension



Functional Diagram



Connection Diagram



Ordering Information

Ordering Code	Description
VIPS 98P	DIN rail mounted digital ELR, current rating 30 mA- 30 A, SMPS based