

**Features:**

- ▶ Current display in percentage
- ▶ User settable trip level and timer delay
- ▶ Panel mount
- ▶ CBCT open circuit detection
- ▶ CBCT available in various sizes
- ▶ Compliance with IEC 60947-2

**Advantages:**

- ▶ Door mount
- ▶ 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**

Trip Relay Output	80-90% of Set Point
Alarm Relay Output (Optional)	50% of Set Point
Relay Contacts	1 potential free contact (NO,C & NC) 6A / 230VAC / 280VDC

**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 (range)
CBCT Sizes	35mm, 70mm, 120mm and 210 mm any other circular/rectangular size on request

**Supply Specifications**

Supply Voltage	90-270V AC/ DC
Supply Frequency	50/60 Hz
Power Consumption	3VA max.

**Environmental Specification**

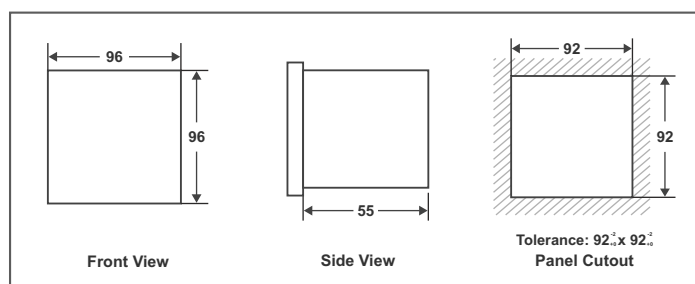
Operating Temperature	-10°C to 70°C
Storage Temperature	-20°C to 50°C
Humidity	Up to 95% RH

**Mechanical Specification**

Weight	228 g
Dimensions	96X96X48mm (WxHxD)
Mounting	Door Mount
Enclosure	ABS Thermoplastic
Protection Degree	IP20(Terminals) IP54(Front of housing)

**User Settable Parameters**

Range Set	0.03, 0.10, 0.30, 0.50, 1.0, 3.0, 5.0, 10.0, 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

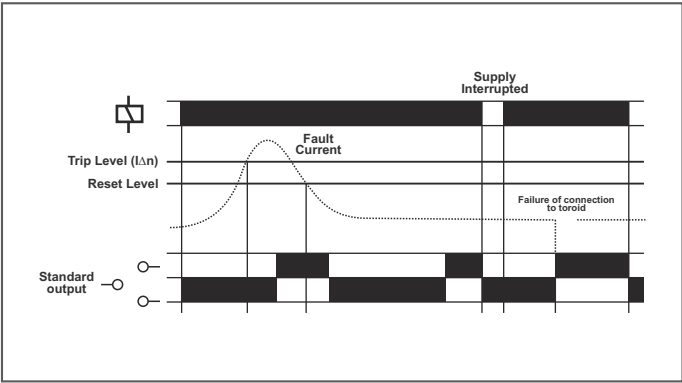
**Dimension****Applicable Standards**

Radiatad Emission	CISPR22
Fast Transient Burst Test	IEC61000-4.4
Conducted Emission	IEC61000-6.3
Test of Immunity to Electromagnetic RF Fields	IEC61000-4.3
Test of Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	IEC61000-4.6
Test of Immunity to Electrostatic Discharges	IEC61000-4.2
Surge Immunity Test	IEC61000-4.5

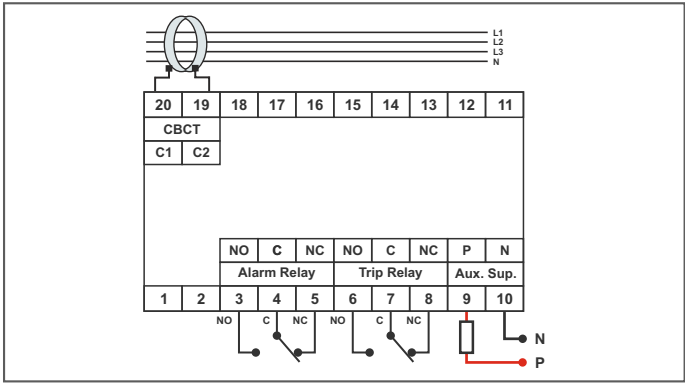
**Safety Standards**

Safety Standard	IEC61010-1
Pollution Degree	II
Installation Category	III
High Voltage Test	2 kV AC, 50Hz for 1 Minute Between Aux.& Measuring Inputs

Functional Diagram



Connection Diagram



Ordering Information

Ordering Code	Description
VIPS 98PF	Flush mounted digital ELR, current rating 30 mA- 30 A, SMPS based