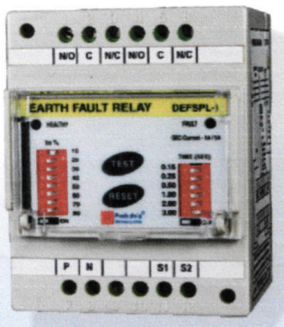
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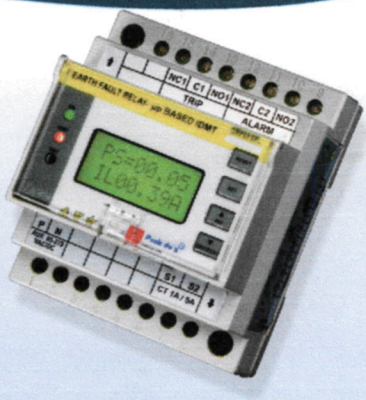
EARTH FAULT RELAY

IEEE Device code-50N









FEATURES:

µC BASED EFR

- Compact
- IDMT (4 IEC curves), Definite Time & Instantaneous
- Wide setting ranges
- Fully Digital acquisition & processing of data
- Wide operating voltages
- LCD display of operated current & fault current
- Rugged and Tropicalized design

SOLID STATE

- Static device
- Definite time
- Wide setting ranges
- Compact size
- Led indication of Fault & Healthy status
- Rugged & Tropicalized design

APPLICATIONS:

- Earth Fault Protection for Generators / Alternators
- Earth Fault Protection for Transformers & Feeders

ISO 9001 BUREAU VERITAS Certification Excluding Design
NABCB QM 003
SE 2B
UKAS QUALITY MANAGEMENT 008

PARAMETERS	MPEFSPL / DMPEFSPL (μC)
Auxiliary Voltage	85-275 V AC/DC or 50-550V AC/DC
Frequency	50Hz
Rated Current-In	1A / 5A (Field Selectable) **NOTE:** USE NEUTRAL CT OF PROTECTION CLASS ONLY AND OF SUITABLE CURRENT RATING
Burden on CT	<0.2VA
Sensitivity Settings Plug Setting Range(PS) In % of the relay Rating.	PS Range: (5%-80%) of In. in steps of 5%
Definite Time Settings in Sec	0.0-20 Sec. (200 Steps) in steps of 0.10 Sec.
IDMT Curves	4 IDMT Curves : • Normal Inverse (NI) • 1.3 Sec • 3.0 Sec • Long Time Delay (LTD)
Time Setting Multiplier (TMS)	(0.1-20) in steps of 0.05
High Set Enable/Disable Option	Available
High Set	(0.5-16) In in steps of 0.1
Time for High Set Operation	(0.0-1.6) Sec. in steps of 0.1 Sec
Contact Capacity	8A@30V DC, 8A@250V AC
Contact type	NC-C-NO Two change over
Operating temperature(°C)	-5°C to +55°C
Standard	IEC - 60255
Relay Setting Mode	Setting through push button • Selection of the relay rating-5A or 1A (In) • PS - selection • Curve Selection • TMS - selection for IDMT • Time - for DEFT • Relay TEST • RESET
Display / Indication	Back-Lit LCD display Two line 8 characters • Trip value of the current w.r.t. Secondary of CT • Set PS value. • Red LED-DEFT/IDMT Trip
Relay Test Facility	Available through push button
Mounting Type	Flush / Din
Dimensions in mm	Flush : 96 x 96 x 70 Din : 80 x 95 x 75 (W x H x D)
Panel cut out in mm (Flush type)	90 x 90 ± 0.1 mm

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