

SLR 140C REF

RESTRICTED / SENSITIVE EARTH FAULT PROTECTION RELAY

In the field of power system protection, Stelmec offers digital relays which are enabled with recent technologies. The Stelmec modular multifunctional protection relay SLR 140C REF monitors and protects the electrical networks against restricted / sensitive earth fault conditions.

Salient Features

- Site Selectable 1A & 5A CT Input
- IDMT Characteristics - NI, VI, EI, LTI, 3s, 1.3s, 0.6s & DTL
- Transient Free Phase Fault & Earth Fault High Set Elements
- Latest 999 Fault & Events With 1 ms Time Stamp Resolution
- User Friendly Local HMI
- Hardware And Software Self-Diagnosis
- Circuit Breaker Fail Protection
- Trip Circuit Supervision
- User Configurable Upto DI/D
- 1 or 2 or 4 Setting Group Selection by Manual Input or digital input based selection



Protection Functions and Settings

Device No.	Relay Functions	Settings
64	Restricted earth Fault protection -low set	2% to 400% in steps of 1%
	Restricted earth Fault protection -high set	5% to 2000%

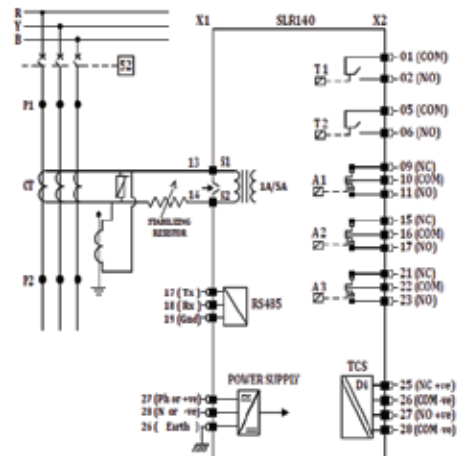
Casing

- Overall Dimension (WxHxD): (134 x 180 x 212) mm ~
- Cutout size (WxH): (110 x 158) mm ~
- Degree of Protection: IP 54
- Weight: 2.5 Kg ~
- Draw out / Fixed type

Technical Specifications

Rated Current (In)	1A/5A	Burdens for:	OC & EF CT	< 0.2VA@5A / < 0.1VA@1A	
Frequency	50 Hz		Aux. Power	< 12W—operating relays activated / 8W—under quiescent condition	
Auxiliary Power Supply	24/30/110/220 VDC & 230 VAC		Temperature:	Operational Range	-10°C to +55°C
Time Multiplier	0.01 to 2.0 in steps of 0.005			Storage Range	-20°C to +70°C
Low Set Delay	0.00 sec to 200.00 secs			Ref. Standard	IEC 60255 / IS 3231
High Set Delay	0.00 sec to 20.0 secs				
Accuracy	< ± 5%				
Contact Ratings:					
Trip Relay	15A @ 230V AC / 15A @ 28V DC				
Auxiliary Relay	6A @ 230V AC / 6A @ 24V DC				
Digital O/P	06 nos				
Digital I/P	07 nos				
Indications	LED: 9 LED indications (max) LCD: 16 x 2 Alphanumeric				

Typical Terminal Diagram



- There is a continuous effort at Stelmec to keep abreast of latest technology in line with customers' requirements and hence the product specifications are subject to change.
- Products described in this catalogue are manufactured and supplied according to Certified Management System ISO 9001:2015.
- Product variants provide different combinations of features / specifications listed above & need not necessarily be a part of single variant.