

Technical Specifications

	Earth Fault Relay	Over-Current Relay
Standard	IEC 255-4, IEC 801/EN 55020	
Input		
Current	0 - 2 Amps	0 - 6 Amps
Current adjustment each phase R.S.T	0.1 to 2 Amps	2 to 6 Amps
Delay adjustment	0 - 1 second	
Operating time (min delay)	with 105% input < 300m/sec with 200% input < 100m/sec	
Maximum input current withstand capability	In x 2 continuous	
Power consumption	In x 10 for 3 sec < 0.5 VA	
Auxiliary Power Supply		
AC voltage	115 or 230V (+/- 25%), 45 to 65Hz burden < 2VA	
Environmental		
Working temperature	0-60 deg C	
Functional temperature	-25 to +70 deg C	
Storage temperature	-55 to +85 deg C	
Temperature coefficient	0.01% per deg C	
Relative humidity	95% without condensation	
Class of climate	HSE complying with DIN 40040-3 complying with VDE/VDI 3540	
Insulation		
Test voltage	4kV RMS 50Hz 1 min between Input/Case/Auxiliary	
Impulse test	EMC 5kV transient complying with IEC 801/EN55020	
HF interference test	EHF 2.5kV 1MHz complying with IEC 255-4	
Protection	Class II complying with IEC 348/BS 4753/DIN 57411/ VDE 0411	
Performance		
Adjustable accuracy	Less than +/- 5%	
Repeatability	Less than 0.5% of full scale	
Reset	Manual via a red push button	
Functional test	Via a push to test button	
Relay Output		
Relay type	Single pole change over / Double pole change over	
Material	Silver / Cadmium	
Contact resistance	200mW max typically < 50mW	
Rating AC	250V 10A	
Rating DC	150V 10A	
Electrical life	1 x 10 ⁵ operations at above load	
Mechanical Life	5 x 10 ⁶ operations	
Operating time approx.	7ms (20mS max)	
Dielectric strength	Between coil and contacts 5kV RMS 1 min Between open contacts 1kV RMS 1 min Between adjacent contacts 1kV RMS 1 min	
Insulation resistance	1000mW at 500V DC	
Operating temperature	-30 to +75 deg C	
Approval	UL and CSA recognised	
Enclosure		
Standard DIN case	DIN 96 x 48 x 98mm	DIN 96 x 96 x 98mm
Panel mount	Via 2 corner brackets and thumb tensioning screws	Via 2 corner brackets and thumb tensioning screws
Panel cutout	92 + 0.8mm x 45 + 0.6mm	92 + 0.8mm x 92 + 0.8mm
Materials	Black polycarbonate complying with UL 94VO	
Terminals	Screw terminal for 2 x 0.5-3.5mm	