SMART CABLE GUARD 3 - DATASHEET

SIGNAL MONITOR



General description
Signal monitors capture signals coming from the cable sensors and perform real-time signal analysis. Each signal monitor also injects signals and maintains an accurate time synchronization with its partner signal monitor at the other end of the monitored cable circuit. It is connected to a field processor with a single cable providing power and data transfer.

TECHNICAL DATA

Storage conditions	
Temperature (°C)	-25 to +70°C
Temperature (°F)	-13 to +158°F
Relative humidity	95% max. @55°C/130°F (non-condensing)
Operating conditions	
Temperature (°C)	-10 to +55°C
Temperature (°F)	+14 to +131°F
Altitude	Max. 6,561 ft/2,000 m
Overvoltage category	OVC III
Pollution degree	PD2
Dimensions D x W x H	
External dimensions (mm)	94.0 x 184.0 x 40.0 mm
External dimensions (in)	3.7 x 7.2 x 1.6 in
Physical	
Weight (kg)	0.4 kg
Weight (lbs)	0.9 lbs

Power	
Power input	From SCG field processor
Measuring	
Sampling frequency	50 MS/s
Connections	
Safety earth	M6 terminal
Cable sensor	Female ix Industrial™
Field processor	Female M12A-code screw thread
Standards	
General requirements	IEC 61850-3 IEC/UL 61010-1
Ingress protection	IP31

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