SMART CABLE GUARD 3 - DATASHEET

FIELD PROCESSOR



General description

Field processors are the heart of the locally installed Smart Cable Guard system.
The field processor connects the signal monitor by means of an industrial Ethernet cable.
A field processor can serve up to 3 signal monitors monitoring power cables.
The field processor connects to the Smart Cable Guard Platform using an LTE-M (4G) or a LAN connection.

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. 6,561ft/2,000 m
Overvoltage capacity	OVC III
Pollution degree	PD2
Dimensions D x W x H	
External dimensions (mm)	170.0 x 368.5 x 86.0 mm
External dimensions (in)	6.7 x14.5 x 3.4 in
Physical	
Weight (kg)	2.3 kg
Weight (lbs)	5.0 lbs
Connections	
AC power	IEC 60320 C14
DC power	Screw-type DC connector
Safety earth	M6 terminal
Ethernet port (LAN)	RJ45, 8 pins
Signal monitor	Female ix Industrial™
Antenna	Female SMA

Input power	
Input voltage power	100-240 Vac, 50/60 Hz or 12V DC (max. 2.5A)
Maximum power	30W (AC and DC)
Average power, with:	
- 1 cable sensor	7.0W (AC), 5.8W (DC)
- 2 cable sensors	9.3W (AC), 8.0W (DC)
- 3 cable sensors	11.8W (AC), 11.3W (DC)
UPS	
Internal UPS uptime	at least 3 min (after 10 years of use)
Internal UPS technology	supercapacitors (no maintenance)
Internal modem	
Type	LTE-M (4G)
Bands	1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28
SIM card slot	Micro (3FF)
Standards	
General requirements	IEC 61850-3 IEC/UL 61010-1
Ingress protection	IP31

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