SMART CABLE GUARD 3 - DATASHEET

CABLE SENSOR



General description
Cable sensors measure partial discharge activity, fault signals and inject a high frequency signal into the cable for accurate time synchronization. Each cable sensor is paired with a second cable sensor on the other end of the monitored cable circuit.
The cable sensor has a split core design for easier installation and is connected to the signal monitor using weatherproof cable.

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 category	OVC III
Pollution degree	PD 2
Physical	
Enclosure material	Aluminium
Inner ring material	Insulating plastic
Inner ring diameter (mm)	61 mm
Inner ring diameter (in)	2.4 in
Closing mechanism	Spring clamp
Weight (kg)	2.1 kg
Weight (lbs)	4.5 lbs

Dimensions D x W x H	
External dimensions (mm)	169.7 x 127.2 x 68.8 mm
External dimensions (in)	6.7 x 5.0 x 2.7 in
Measuring	
Installation location	Around earth lead or power cable
Measurement bandwidth	365 kHz - 9 MHz
Maximum 50 Hz current	175 A continuous
Connections	
Functional earth	M6 terminal
Signal monitor cable	M12 A-code male S/FTP CAT7 LSZH Length 9.8 ft/3.0 m
Standards	
General requirements	IEC 61850-3 IEC/UL 61010-1
Ingress protection	IP68

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