



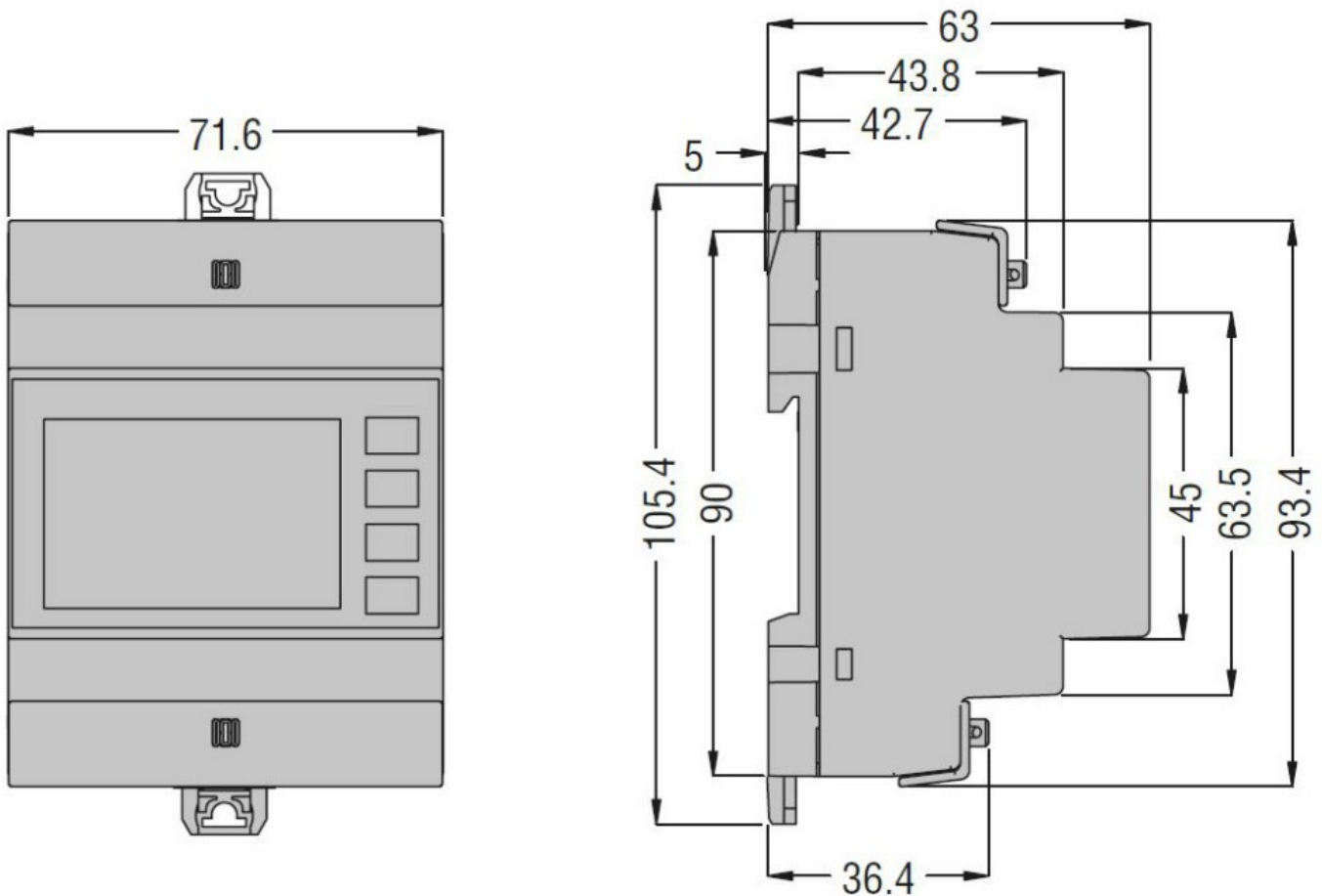
### General characteristics

Description				Insulation monitoring device for DC EVCS
Type of system				IT
<b>Power supply</b>				
Auxiliary supply voltage $U_s$				12...24VDC
Operating voltage range				9.6...28.8VDC
Power dissipation Max	W			2.5
<b>Control circuit</b>				
External input				1
<b>Auxiliary supply</b>				
Rated auxiliary supply voltage $U_s$				
DC		min	VDC	9.6
		Max	VDC	28.8
<b>Power consumption</b>				
DC (Max)	W			2.5
<b>Voltage inputs</b>				
Maximum rated operational voltage				1250VDC
Measurement range	V			150...1500VDC
<b>Digital inputs</b>				
Number and type of inputs				1 digital input
<b>Power outputs</b>				
Voltage				60VDC (max)
<b>Functions</b>				
Modular version				Yes
<b>Connections</b>				
Tightening torque for terminals	max	Nm	0.8	
	max	lbin	7	
<b>Conductor cross section</b>				
AWG/Kcmil		min	AWG	24
		Max	AWG	12
IEC		min	mm <sup>2</sup>	0.2
		Max	mm <sup>2</sup>	4
<b>Insulations</b>				
Rated impulse withstand voltage $U_{imp}$	kV			12.8
<b>Ambient conditions</b>				
Temperature				
Operating temperature	min	°C	-40	

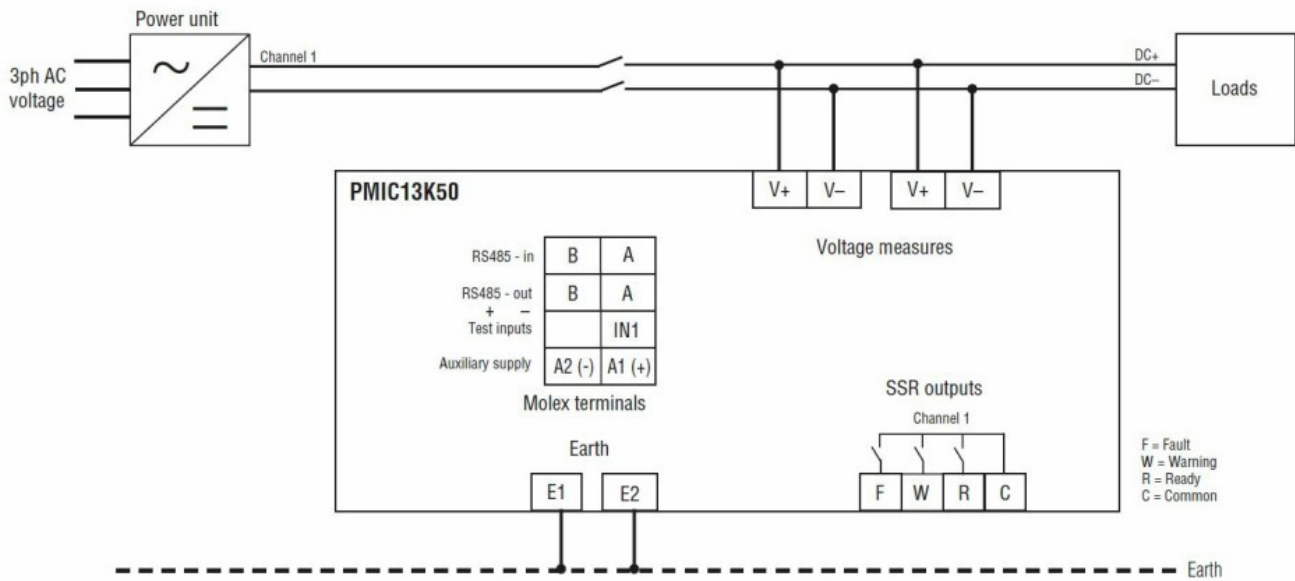
INSULATION MONITORING DEVICE FOR DC ELECTRIC VEHICLE CHARGING STATIONS.  
SINGLE CHANNEL, WITH DISPLAY AND BUILT-IN RS485 PORT. MAXIMUM MONITORED  
VOLTAGE 1500VDC, AUXILIARY SUPPLY VOLTAGE 12-24VDC

	max	°C	+70
Storage temperature	min	°C	-40
	max	°C	+80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			II
<b>Housing</b>			
Execution (n° of modules)			4
Material			Xantar
Mounting			Screw or DIN rail
IEC degree of protection			IP40 front, IP20 terminals
Dimensions (W x H x D)	mm		71.6x90x63
Weight	g		175

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

- CSA 22.2 No
- CSA C22.2 No 61010-1
- IEC 61851-23
- IEC/EN 61010-1
- IEC/EN 61010-2-030
- IEC/EN 61326-2-4
- IEC/EN 61557-1
- IEC/EN 61557-18 (draft)
- IEC/EN 61557-8
- UL61010-1
- UL61010-2-030

Certificates

- CE
- UKCA

**ETIM classification**

ETIM 8.0

EC002844 -  
Energy data  
gateway