

# Product data sheet

Specifications



## insulation monitoring XM300C Vigilohm - 220..240 V AC 50/60 Hz - fail safe

50541

! Discontinued on: 31 December 2018

! To be end-of-service on: 31 December 2026

! Discontinued - Service only

### Main

Range of product	Vigilohm
Device short name	XM300C
Type of measurement	Network insulation resistance, earth leakage capacitance
Signal contacts composition	3 C/O
Earthing system	IT
Display type	LCD
Scale	0.1...999 kOhm
Fail safe feature	With
[Us] rated supply voltage	220...240 V AC 50/60 Hz tolerance: - 15...10 %
Mounting position	Horizontal mounting

### Complementary

[Ue] rated operational voltage	<= 1000 V AC 45...400 Hz device connected to phase with PHT1000 subassembly <= 1200 V DC device connected with PHT1000 <= 1700 V AC 45...400 Hz device connected to neutral with PHT1000 subassembly <= 440 V AC 45...400 Hz device connected to phase <= 500 V DC <= 760 V AC 45...400 Hz device connected to neutral
Signalling function	Alarm Device fault Insulation value display Transient fault
Test function	Manual, self test
Breaking capacity	10 A at 24 V DC, L/R = 1 ms 0.45 A at 220 V DC, L/R = 1 ms 0.65 A at 120 V DC, L/R = 1 ms 2.5 A at 48 V DC, L/R = 1 ms 5 A at 230 V AC, cos phi = 0.7 3 A at 400 V AC, cos phi = 0.7
Power consumption in VA	30 VA
Mounting mode	Flush-mounted
Mounting support	Cubicle Plate Enclosure
Height	129 mm
Width	153 mm

Depth	213.5 mm
Net weight	3.5 kg
Auxiliary connection terminal	Tunnel type terminals 1.5 mm <sup>2</sup>

## Environment

Dielectric strength	2500 V
IP degree of protection	IP30
Standards	IEC 364 ch 4 and 5 NF C 15-100 §413.4 UTE C 63-080 class CPI/XA IEC 61557-8
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-25...70 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.7 cm
Package 1 Width	22.5 cm
Package 1 Length	32.5 cm
Package 1 Weight	3.422 kg
Unit Type of Package 2	S03
Number of Units in Package 2	1
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.909 kg
Unit Type of Package 3	P06
Number of Units in Package 3	8
Package 3 Height	75.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	27.376 kg

## Contractual warranty

Warranty	18 months
----------	-----------

## Recommended replacement(s)

50541 is replaced by:

1x



VIGILOHM IM400 100 - 440 VAC  
IMD-IM400