Product Information

IsoTxA-Mk2
Insulation and Loop Resistance Sensor

The IsoTxA-Mk2 is a stand-alone measurement and monitoring device for insulation and loop resistance. A dedicated copper pair is used as a measurement loop in the monitored cable. This loop is being measured continuously by the IsoTxA-Mk2. The thresholds for the insulation and loop resistance values are easily programmable with the built-in keys. The integrated display shows the measurement values and settings.

Dry output relay contacts are built-in for remote alarming. Additionally the IsoTxA-Mk2 can be equipped with plug-in interface modules for LANCIER Tx-Bus, CAN-Bus or telecontrol systems via Modbus by RS485 interface.

Technical Data

Measurement range insulation	0 - 200 MΩ
Resolution	0.1 MΩ at 0 - 100 MΩ 1.0 MΩ at 100 - 200 MΩ
Measurement range loop	0 -10 kΩ
Resolution	10 Ω
Supply voltage	36 - 72 VDC
Power consumption	50 mA typ.
Display	3-digit, LCD, insulation and loop resistance switchable
Signal LEDs	2 x red, Alarm insulation and loop 2 x yellow, Acknowledged alarm insulation and loop 2 x green, Display insulation and loop resistance 1 x red, Remote operation
Local User Interface	Set threshold insulation resistance Acknowledge insulation alarm Set threshold loop resistance Acknowledge loop alarm
Signal outputs	2 dry change-over contacts for: insulation resistance, loop resistance
Max. switchable voltage / current	100 V DC / 0.1 A DC
Dimensions sensor	40.3 / 129.0 / 167.0 mm
Dimensions drawer	42.0 / 484.0 / 278.0 - 353.0 mm (1HU /19'')

Ordering Data

IsoTxA-Mk2 Module with display and keys. Signal output via dry contacts. For insertion into 19"- drawer (1 HU).	**Order-no. 071676.000**
Lancier Tx-Bus Interface Internal plug-in module for connection to montioring systems DW 1005E or DW 101E	**Order-no. 071700.000**
CAN-Interface Internal plug-in module for connection to RTU or ethernet via CAN-ethernet adaptor	**Order-no. 072050.000**
Modbus-Interface Internal plug-in module for connection to a telecontrol system via Modbus by RS485 interface	**Order-no. 073601.000**
Other interfaces upon request	
CAN - Ethernet adaptor External module for connection of several transducers to TMN / Lancier UMS via SNMP	**Order-no. 072240.000**
Drawer 19" 1HU for max. three Mk2 sensors	**Order-no. 071863.000**