Protective earth wiring

FB-SLV-MAxx14

Item 112474





- PE wiring and shock-proof protection
- Assembly kit for independent, on-site assembly
- Suitable for single-stage and dual-stage contacting
- Includes detailed installation instructions for professional installation
- Includes proposed measurement protocol to record the measured values
- Cable cross-section: inner cables 1.5 mm², outer cables 4.0 mm²

Application

The FB-ESD-S-MAXXXX functional module is used to equip the MA xxxx manual test fixtures with protective earth wiring and shock-proof protection.

For tests with hazardous voltages (>25 VAC and >60 VDC), the test fixture must be equipped with protective equipotential bonding in accordance with DIN EN 60204-1 and fulfil protection class IP3x in accordance with DIN EN 60529. The functional module includes the protective earth wiring to all relevant parts and a measurement of the protective earth resistance at specified points (limit 0.3 Ohm).

Delivery

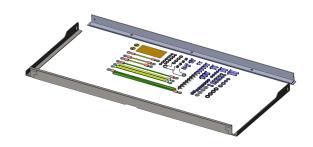
The functional unit must be assembled upon delivery using the detailed installation instructions enclosed. A template for a measurement report for measurements to determine the ESD discharge value which are compliant with the latest standards is also provided.

Note

Refer to installation instructions 112502 to correctly install the functional unit FB-SLV-MAXXXX on MA XXXX manual test fixtures

General data

Functional units Product group: Series: FB-MAxxxx PE wiring and shock-proof protection Type: Version: PE wiring assembly kit MA xx14 Accessory type: Additional function Cable set with shock-proof protection Scope of delivery: Weiaht: 0.69 kg [1.52 lbs] 10 °C [50 °F] Min. temperature: 60 °C [140 °F] Max. temperature: RoHS-compliant:



Note:

If the PE wiring is used within the scope of the low voltage directive, the maximum permissible voltage is 1,000 VAC and 1,500 VDC.

Note

Please refer to the technical manual for manual test fixtures MA xxxx for supplementary information on any other components that may be required, such as safety switches and an LWP-compatible exchangeable set with shock-proof protection.

Note:

The work may only be carried out by specifically trained, qualified personnel. In addition, the country-specific regulations for operation with hazardous electrical voltage must be observed and complied with. INGUN cannot accept any liability for damage resulting from incorrect installation, failure to observe the instructions in the documentation provided or failure to operate the test fixture or in a suitable test environment.

Compatible with

Manual test fixtures (MA): For dual-stage contacting: MA xx14 Yes

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Accessories

Accessories		
Part no.	Designation	Version
Safety switch		
36210	FB-SIS-ZSO-MA2xxx	Safety switch with interlock NO - normally open
46020	FB-SIS-ZSG-MA2xxx	Safety switch with interlock NC - normally closed
42066	FB-SIS-MA2xxx	Safety switch without interlock
41553	FB-SIS-BM-MAxx14	Safety switch magnetic
Actuator safety switch		
36455	FB-BTV-ATSMA11/12/13/14	Actuator for safety switch with/without interlock at single-stage customisation
47740	FB-BT2-ATSMA11/12/13/14	Actuator for safety switch with/without interlock at dual-stage customisation
41552	FB-BTM-ATSMAxx	Actuator for safety switch magnetic

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Learn more about MA functional units

FUNCTIONAL UNIT