



GO TO PRODUCT

- 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.

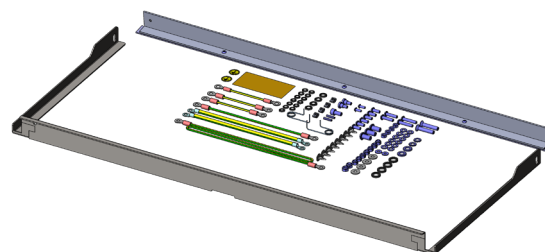
For tests with hazardous voltages (>25 VAC and >60 VDC), the test fixture must be equipped with protective equipotential bonding in accordance with DIN EN 60204-1 and fulfil protection class IP3x in accordance with DIN EN 60529. The functional module includes the protective earth wiring to all relevant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



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:

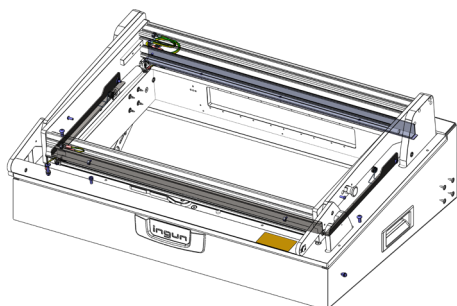
The work may only be carried out by specifically trained, qualified personnel. In addition, the country-specific regulations for operation with hazardous electrical voltage must be observed and complied with. INGUN cannot accept any liability for damage resulting from incorrect installation, failure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

General data

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

Compatible with

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



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 customi- sation
47740	FB-BT2-ATSMA11/12/13/14	Actuator for safety switch with/without interlock at dual-stage customi- sation
41552	FB-BTM-ATSMAxx	Actuator for safety switch magnetic

INGUN Prüfmittelbau GmbH

Max-Stromeyer-Straße 162
78467, Constance, Germany
Phone +49 7531 8105-0
Customer hotline +49 7531 8105-888
Fax +49 7531 8105-65
info@ingun.com



Learn more about
MA functional units

