

Instruction Manual

Marking


Socket 2-pin: MFT-BASE.2P 4-pin: MFT-BASE.4P
Multifunction modules 1 resistor: MFT-R.0001 ... MFT-R.9999 2 resistors: MFT-2R.0001 ... MFT-2R.9999 1 diode: MFT-D.1000 2 diodes: MFT-2D.0500 1 diode, 1 bridge: MFT-D.1000.L 2 bridges: MFT-2L.1600 1 bridge, 1 fuse: MFT-F.0032.L ... MFT-F.6300.L 1 fuse: MFT-F.0032 ... MFT-F.6300 2 fuses: MFT-2F.0032 ... MFT-2F.6300 Terminator: MFT-FT.0001 NO contact: MFT-RNO.0006 NC contact: MFT-RNC.0006
Pepperl+Fuchs GmbH Lilienthalstraße 200, 68307 Mannheim, Germany
EC-Type Examination Certificate: PTB 07 ATEX 1004 U Group, category, type of protection:  II 2 G Ex d e IIC

table 1

Validity

Specific processes and instructions in this instruction manual require special provisions to guarantee the safety of the operating personnel. Observe laws, standards, and directives applicable to the intended use and the operating location. Observe Directive 1999/92/EC in relation to hazardous areas.

The corresponding datasheets, declarations of conformity, EC-type-examination certificates, certificates and control drawings if applicable (see datasheet) are an integral part of this document. You can find this information under www.pepperl-fuchs.com.

Due to constant revisions, documentation is subject to permanent change. Please refer only to the most up-to-date version, which can be found under www.pepperl-fuchs.com.

Target Group, Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismantling lies with the plant operator.

Mounting, installation, commissioning, operation, maintenance and dismantling of the device may only be carried out by appropriate trained and qualified personnel. The instruction manual must be read and understood.

Intended Use

The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

The device must only be operated in the specified ambient temperature range and at the specified relative humidity without condensation.

Improper Use

Protection of the personnel and the plant is not ensured if the device is not being used according to its intended use.

Mounting and Installation

Prior to mounting, installation, and commissioning of the device you should make yourself familiar with the device and carefully read the instruction manual.

Do not mount a damaged or polluted device.

Do not mount the device at locations where an aggressive atmosphere may be present.

The device may only be installed and operated in Zone 1 if mounted in a surrounding enclosure, which corresponds to equipment protection level Gb.

When mounting the surrounding enclosure in hazardous areas, the surrounding enclosure must meet the requirements of a type of protection listed in IEC/EN 60079-0.

If mounting the devices in a surrounding enclosure with type of protection Ex e, observe the clearance and creepage distances according to IEC/EN 60079-7.

Place warning marking "Warning – Non-intrinsically safe circuits protected by internal cover with a degree of protection IP30!" visibly on the surrounding enclosure.

If intrinsically safe and non-intrinsically safe circuits are being operated together, the connections of the non-intrinsically safe circuits must be covered. The cover must comply with degree of protection IP30 according to IEC/EN 60529.

Use the supplied parts to ensure the required degree of protection.

Observe the installation instructions according to IEC/EN 60079-14.

Requirements for Cables and Connection Lines

Observe the following points when installing cables and connection lines: Observe the permissible core cross-section of the conductor.

The insulation stripping length must be considered.

If you use stranded conductors, crimp wire end ferrules on the conductor ends.

The cables and connection lines must not be strained. Provide an adequate strain relief.

Operation, Maintenance, Repair

Prior to using the device you should make yourself familiar with the device and carefully read the instruction manual.

Do not use a damaged or polluted device.

The device must not be repaired, changed or manipulated.

If there is a defect, always replace the device with an original device from Pepperl+Fuchs.

Observe IEC/EN 60079-17 for maintenance and inspection.

If intrinsically safe and non-intrinsically safe circuits are present, the cover with a degree of protection IP30 may only be removed if the non-intrinsically safe circuits are de-energized (volt-free and currentless).

Use the supplied parts to ensure the required degree of protection.

The surrounding enclosure when energized may be opened for maintenance in Zone 1 provided that the following conditions are met:

- The connections of the non-intrinsically safe circuits must be protected by a cover with a degree of protection IP30.
- All other devices in the surrounding enclosure must permit the opening of the surrounding enclosure when energized in Zone 1.
- An appropriate marking is placed on the surrounding enclosure.

Delivery, Transport, Disposal

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

Keep the original packaging. Always store and transport the device in the original packaging.

Store the device in a clean and dry environment. The permitted ambient conditions (see datasheet) must be considered.

Disposing of device, packaging, and possibly contained batteries must be in compliance with the applicable laws and guidelines of the respective country.