

Einbauansicht

Seitenansicht

DESCRIPTION

The compact and high-quality Socket Basic 12-pin MicroPlex® is perfect for your application when used with our MicroPlex® products. Use the plug-in base to integrate the appropriate blade receptacles and then fix the cabling in place. The chamfer serves as an alignment marker and indicates the correct installation direction.

Note: Please note that this plug-in base is not waterproof. For more information about this product, please contact our MRS customer service.

TECHNICAL DATA

| | |
|-----------------------------------|--------------------------|
| Material | PA66 GF30 |
| Housing dimensions (L x W x H) | 36,43 x 33,63 x 39,50 mm |

MECHANICAL/ THERMAL PROPERTIES PA66 GF30 AS PER PRODUCER

| | |
|---------------------------------------|-----------|
| Modulus of elasticity | 5,000 MPa |
| Breaking strength | 100 MPa |
| Elongation at rupture | 5 % |
| Melting temperature | 260 °C |
| Deflexion temperature HDT A/ HDT B | 150 °C |

CONTACTS

| | |
|--|---------|
| FASTON terminal for latching 2.8 mm 0.5 – 1.0 mm ² | max. 12 |
|--|---------|

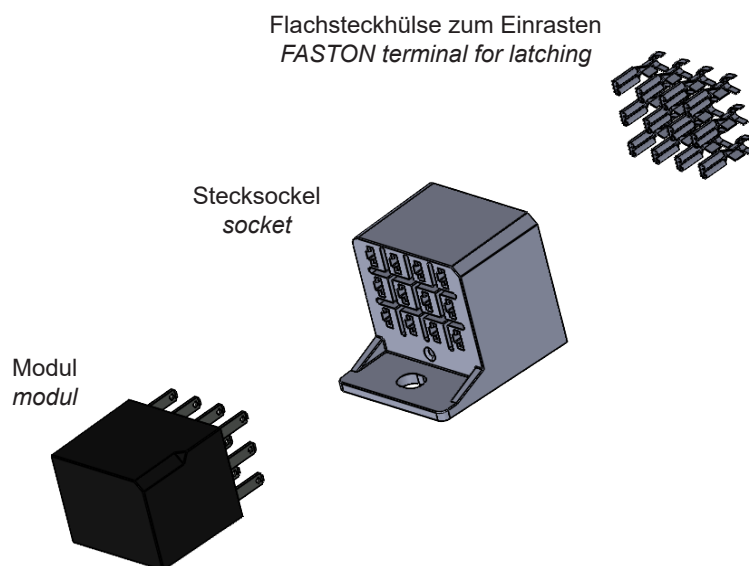
REGULATORY APPROVALS AND TESTING

Chemical tests

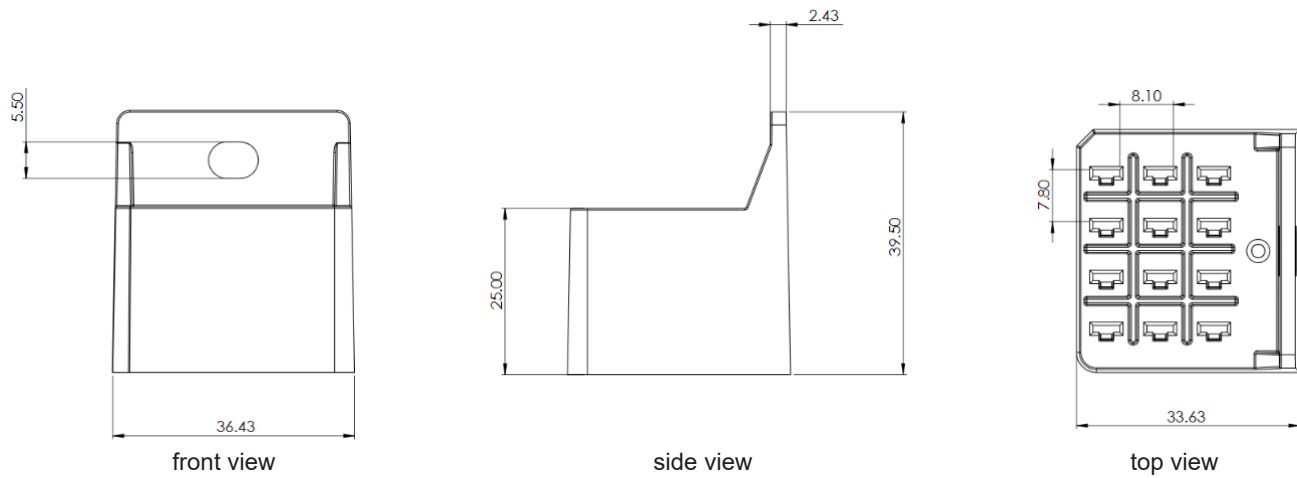
Acc. to ISO 16750-5:

Diesel fuel (22 h; 85 °C; Spraying, Wiping)
 "Bio" diesel (22 h; 85 °C; Spraying, Wiping)
 Petrol / gasoline unleaded (10 min; RT; Wiping, Pouring)
 Engine oil (22 h; 85 °C; Brushing)
 Differential oil (22 h; 85 °C; Brushing)
 Transmission fluid (22 h; 85 °C; Brushing)
 Hydraulic fluid (22 h; 85 °C; Brushing)
 Brake fluid (22 h; 85 °C; Brushing)
 Urea fluid (22 h; 85 °C; Brushing)
 Acetone (10 min; RT; Spraying, Wiping)
 Contact spray (22 h; 85 °C; Spraying, Brushing)
 Cold cleaning agent (22 h; RT; Spraying)
 Antifreeze fluid (22 h; 85 °C; Pouring)
 Battery fluid (22 h; RT; Wiping)

EXPLODED ASSEMBLY DRAWING



TECHNICAL DRAWING IN MM [INCH], TOLERANCES ACCORDING TO ISO 2768-1 V



12 pin Socket
Order number.: 1.017.055.2000

ASSEMBLY VARIANTS AND ORDERING INFORMATION

| Description | Order number |
|--------------------------------|----------------|
| Socket Basic 12-pin MicroPlex® | 1.017.055.2000 |

ACCESSORIES

| Description | Order number |
|---|--------------|
| FASTON terminal for latching 2.8 mm 0.5 – 1.0 mm² | 105292 |



MANUFACTURER

MRS Electronic GmbH & Co. KG
Klaus-Gutsch-Str. 7
78628 Rottweil
Germany

SAFETY AND INSTALLATION INFORMATION

It is essential to read the instructions in full thoroughly before working with the device.

Please note and comply with the instructions in the operating instructions and the information in the device data sheet, see www.mrs-electronic.de

Staff qualification: Only staff with the appropriate qualifications may work on this device or in its proximity.

SAFETY



WARNING! Danger as a result of a malfunction of the entire system.

Unforeseen reactions or malfunctions of the entire system may jeopardise the safety of people or the machine.

- Ensure that the device is equipped with the correct software and that the wiring and settings on the hardware are appropriate.



WARNING! Danger as a result of unprotected moving components.

Unforeseen dangers may occur from the entire system when putting the device into operation and maintaining it.

- Switch the entire system off before carrying out any work and prevent it from unintentionally switching back on.
- Before putting the device into operation, ensure that the entire system and parts of the system are safe.
- The device should never be connected or separated under load or voltage.



CAUTION! Risk of burns from the housing.

The temperature of the device housing may be elevated.

- Do not touch the housing and let all system components cool before working on the system.

PROPER USE

The device is used to control or switch one or more electrical systems or sub-systems in motor vehicles and machines and may only be used for this purpose. The device may only be used in an industrial setting.



WARNING! Danger caused by incorrect use.

The device is only intended for use in motor vehicles and machines.

- Use in safety-related system parts for personal protection is not permitted.
- Do not use the device in areas where there is a risk of explosion.

Correct use:

- operating the device within the operating areas specified and approved in the associated data sheet.
- strict compliance with these instructions and no other actions which may jeopardise the safety of individuals or the functionality of the device.

Obligations of the manufacturer of entire systems

It is necessary to ensure that only functional devices are used. If devices fail or malfunction, they must be replaced immediately.

System developments, installation and the putting into operation of electrical systems may only be carried out by trained and experienced staff who are sufficiently familiar with the handling of the components used and the entire system.

It is necessary to ensure that the wiring and programming of the device does not lead to safety-related malfunctions of the entire system in the event of a failure or a malfunction. System behaviour of this type can lead to a danger to life or high levels of material damage.

The manufacturer of the entire system is responsible for the correct connection of the entire periphery (e.g. cable cross sections, correct selection/connection of sensors/actuators).

Opening the device, making changes to the device and carrying out repairs are all prohibited. Changes or repairs made to the cabling can lead to dangerous malfunctions. Repairs may only be carried out by MRS.

Installation

The installation location must be selected so the device is exposed to as low a mechanical and thermal load as possible. The device may not be exposed to any chemical loads.

Install the device in such a manner that the plugs point downwards. This means condensation can flow off the device. Single seals on the cables/leads must be used to ensure that no water gets into the device.

Putting into operation

The device may only be put into operation by qualified staff. This may only occur when the status of the entire system corresponds to the applicable guidelines and regulations.

FAULT CORRECTION AND MAINTENANCE



NOTE The device is maintenance-free and may not be opened.

- If the device has damage to the housing, latches, seals or flat plugs, it must be taken out of operation.

Fault correction and cleaning work may only be carried out with the power turned off. Remove the device to correct faults and to clean it.

Check the integrity of the housing and all flat plugs, connections and pins for mechanical damage, damage caused by overheating, insulation damage and corrosion. In the event of faulty switching, check the software, switches and settings.

Do not clean the device with high pressure cleaners or steam jets. Do not use aggressive solvents or abrasive substances.