Product data sheet
09 51 221 0001
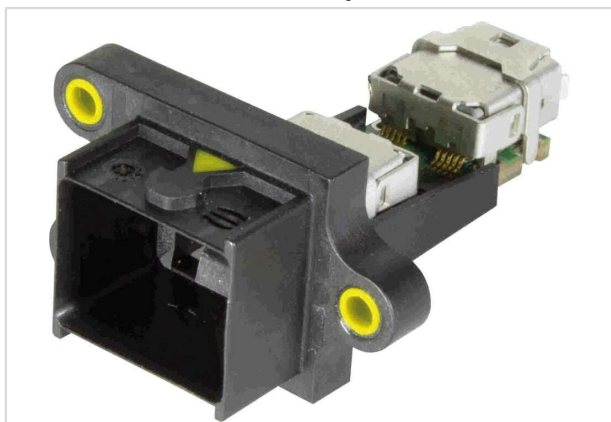MPP-PFT-ix/ix-10p-F-P-A-cod

**HARTING**®

**Pushing Performance**
Since 1945

# MPP-PFT-ix/ix-10p-F-P-A-cod



Image is for illustration purposes only. Please refer to product description.

| Part number | 09 51 221 0001 |
| --- | --- |
| Specification | MPP-PFT-ix/ix-10p-F-P-A-cod |
| HARTING eCatalogue | https://b2b.harting.com/09512210001 |

## Identification

| | |
| --- | --- |
| Category | Connectors |
| Series | HARTING Mini PushPull |
| Identification | ix Industrial® |
| Element | Panel feed trough set |
| Type of hood/housing | Bulkhead mounted housing |
| Features | Suitable for all PoE versions |

## Version

| | |
| --- | --- |
| Shielding | Fully shielded, 360° shielding contact |
| Number of contacts | 8 |
| further contacts | + 2x GND |
| Coding | Type A |
| Locking type | PushPull |
| Pack contents | incl. seal, 2x HARTING ix Industrial®-jack type A (Ethernet) and board drillings for M2.5 |

## Technical characteristics

| | |
| --- | --- |
| Rated current | 1.5 A |
| Rated current | 3 A when used with 4 contacts (1,2,6,7) |
| Rated voltage | 50 V AC<br>60 V DC |
| Transmission characteristics | Cat. $6_A$ Class $E_A$ up to 500 MHz |

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## Technical characteristics

| | |
|---|---|
| Data rate | 10 Mbit/s |
| | 100 Mbit/s |
| | 1 Gbit/s |
| | 2.5 Gbit/s |
| | 5 Gbit/s |
| | 10 Gbit/s |
| Insulation resistance | >500 MΩ |
| Contact resistance | ≤30 mΩ |
| Shielding resistance | ≤100 mΩ |
| Limiting temperature | -40 ... +70 °C |
| Storage temperature | -60 ... +85 °C |
| Relative humidity | 95 % Non-condensing (operation) |
| | 95 % Non-condensing (storage/transport) |
| Insertion force | ≤25 N |
| Withdrawal force | ≤25 N |
| Mating cycles | ≥750 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 |
| Test voltage $U_{r.m.s.}$ | 0.5 kV (contact-contact) |
| | 0.5 kV (contact-shielding) |

## Material properties

| | |
|---|---|
| Material (insert) | Liquid crystal polymer (LCP) |
| Colour (insert) | Black |
| Material (contacts) | Copper alloy |
| Material (hood/housing) | Polybutylene terephthalate (PBT) |
| Colour (hood/housing) | Black |
| Material (seal) | PTS |
| Colour (seal) | Yellow |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant |
| ELV status | compliant |
| China RoHS | e |
| REACH Annex XVII substances | Not contained |
| REACH ANNEX XIV substances | Not contained |
| REACH SVHC substances | Not contained |
| California Proposition 65 substances | Yes |

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## Material properties

| | |
|---|---|
| California Proposition 65 substances | Nickel |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels | R26 |

## Specifications and approvals

| | |
|---|---|
| Specifications | IEC 61076-3-124 Type A<br>EN 50173-1 |

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 9 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |
| GTIN | 5713140223424 |
| eCl@ss | 27440114 Rectangular connector (for field assembly) |

Page 3 / 3 | Creation date 2023-06-09 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the
user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality,
conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
HARTING Stiftung & Co. KG | Marienwerderstr. 3 | 32339 Espelkamp | Germany

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