

# Data sheet

## PC board insert M12, X-coded, 8-pole, black

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P/N

MMT060A315-0001

EAN 4250184158479

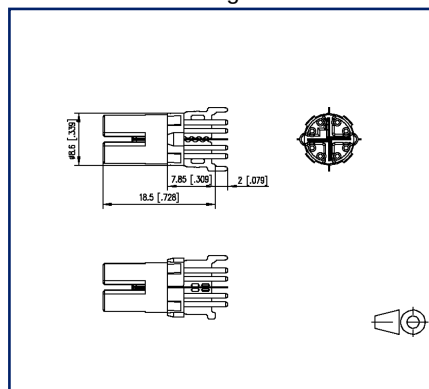
2026/07/21

Version: Q

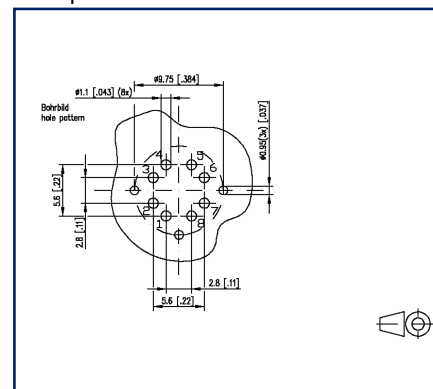
### Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

### Product specification

- PC board insert M12
- 8-pole, X-coded according to IEC 61076-2-109
- 10 GBit suitable according to IEEE 802.3an
- THR solderable
- Top entry
- Contact carriers black
- suitable for applications in the railway industry according to data sheet



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## Technical Data

### General Data

#### Dimensions

|                   |                       |
|-------------------|-----------------------|
| Dimension (D x H) | Ø 9.2 mm x 20.5 mm    |
| Dimension (D x H) | 0.362 in. x 0.807 in. |
| Ports             | Single port           |
| Coding            | X-coded               |

### Electrical characteristics

|                                          |                   |
|------------------------------------------|-------------------|
| Rated voltage                            | 50 V AC / 60 V DC |
| Effective value of the withstand voltage | 0.5 kV            |
| Current carrying capacity at 40 °C       | 0.5 A             |
| Insulation resistance                    | min. 100 MOhm     |
| Overvoltage category                     | II                |
| Degree of pollution                      | 2                 |

### Mechanical data

#### Material

|                                |         |
|--------------------------------|---------|
| Material - Contact             | CuZnPb  |
| Contact surface                | Ni + Au |
| Shield material                | CuSn    |
| Color                          | black   |
| Life - Number of mating cycles | >= 100  |

### Climatic properties

|                            |                 |
|----------------------------|-----------------|
| Temperature - Operating °C | -40 °C - 85 °C  |
| Temperature - Operating °F | -40 °F - 185 °F |

### Approvals

|                      |         |
|----------------------|---------|
| Approval mark UL/CSA | E178484 |
|----------------------|---------|

### Standards/Regulations

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Railway applications |                                                                             |
| Insulating body      | PA UL 94 V0 complies with HL1-HL3; R26 according to EN 45545-2:2020+A1:2023 |
| Flammable mass (g)   | 0.62 g                                                                      |



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**Technical Data****Classifications**

ETIM 7.0 EC002637

ETIM 8.0 EC002637

ETIM 9.0 EC002637

ETIM 10.0 EC002637

**Packaging**

Type of packaging 10 pc(s) / blister packaging

**Application note**

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



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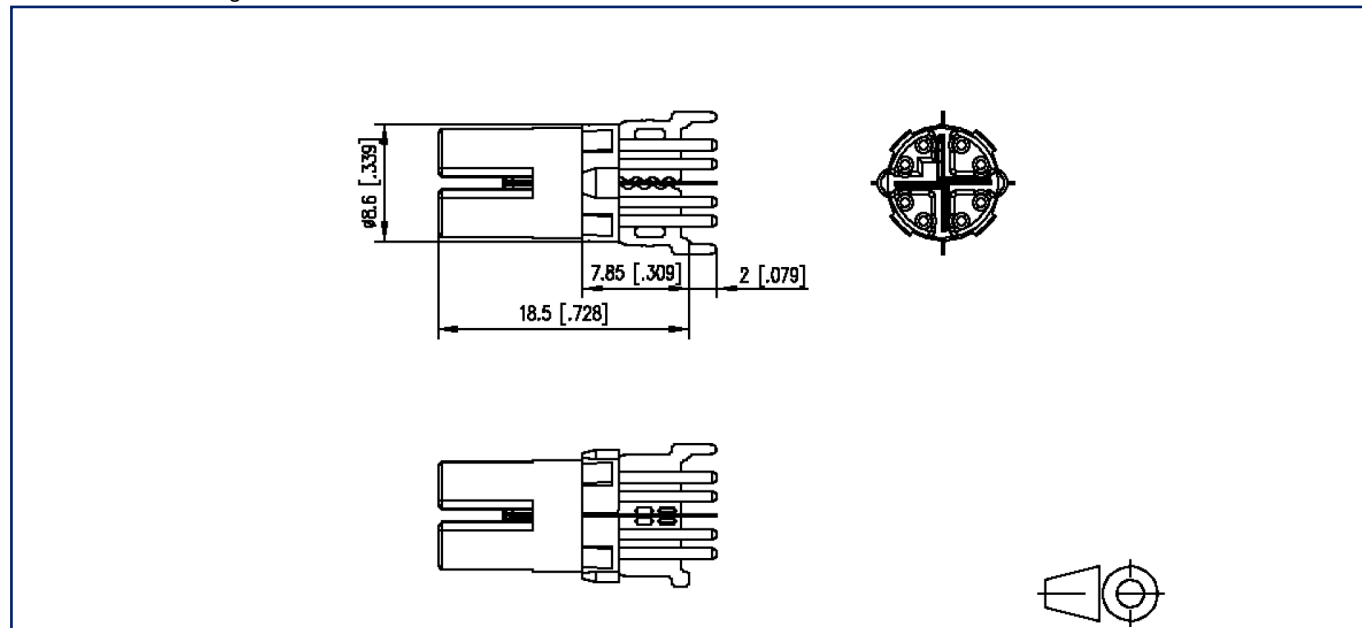
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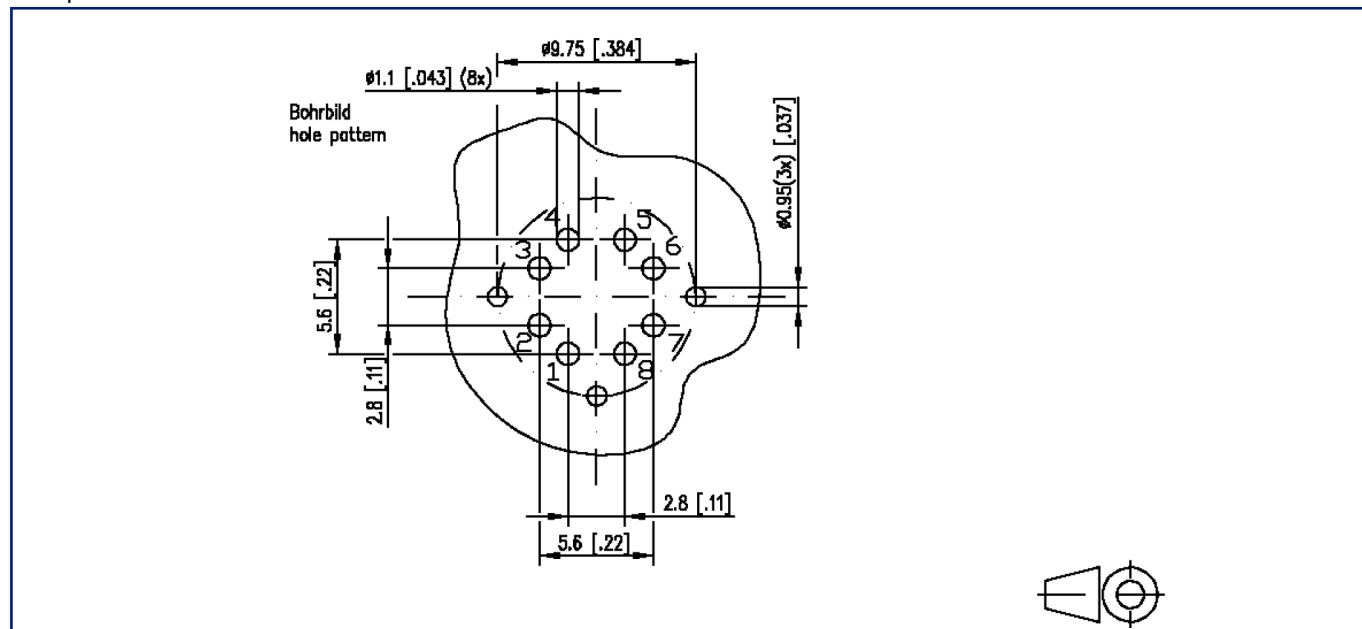
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### Illustrations

Dimensional drawing



Drill pattern



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Weitere Dokumentation siehe / additional documentation see /  
documentation supplémentaire voir [www.metz-connect.com](http://www.metz-connect.com)

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## Illustrations

Snap-in geometry

