

# Data sheet

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PC board jack M12, D-coded, 4-pole, IP67,  
90° angled, max. 2.5 mm wall thickness

P/N

MMT471A115

EAN 4250184187967

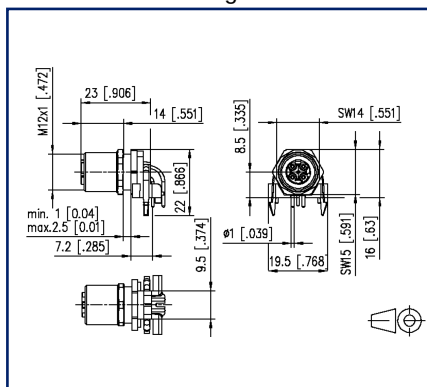
2026/08/03

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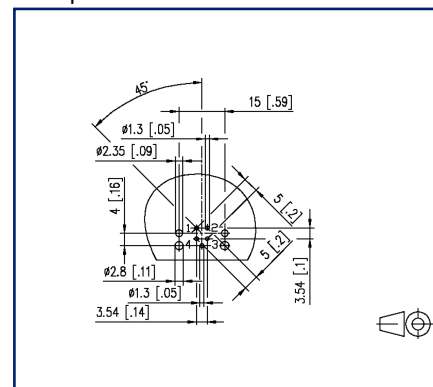
## Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

## Product specification

- PC board jack M12
- 4-pole, D-coded according to IEC 61076-02-101
- 90° angled
- THR solderable
- Side entry
- Contact carriers green
- IP67 when plugged in
- suitable for a wall thickness up to 2.5 mm
- suitable for applications in the railway industry



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## Technical Data

### General Data

#### Dimensions

|                           |                                   |
|---------------------------|-----------------------------------|
| Dimension (L x W x H)     | 27.5 mm x 19.5 mm x 22 mm         |
| Dimension (L x W x H)     | 1.083 in. x 0.768 in. x 0.866 in. |
| Ports                     | Single port                       |
| Jack                      | M12                               |
| Coding                    | D-coded                           |
| For wall thickness (mm)   | 2.5 mm                            |
| For wall thickness (inch) | 0.098 in.                         |

### Electrical characteristics

|                                          |               |
|------------------------------------------|---------------|
| Rated voltage                            | 250 V         |
| Effective value of the withstand voltage | 1.4 kV        |
| Nominal current at 50 °C                 | max. 4 A      |
| Insulation resistance                    | min. 100 MOhm |
| Degree of pollution                      | 3             |

### Mechanical data

#### Material

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| Material - Housing                | CuZnPb                                                          |
| Material - Contact                | CuZnPb                                                          |
| Contact surface                   | Ni + Au                                                         |
| Color                             | metallike                                                       |
| Life - Number of mating cycles    | >= 100                                                          |
| Tightening torque - Plug          | 0,6 - 1 Nm                                                      |
| Tightening torque - Jack mounting | 3 Nm +/- 0,5 Nm (see illustration at the end of the data sheet) |
| Protection category               | IP65, IP67 when plugged in                                      |
| Particulate ingress               | IP6X when plugged in                                            |
| Liquid ingress/immersion          | IPX5, IPX7 when plugged in                                      |

### Climatic properties

|                            |                 |
|----------------------------|-----------------|
| Temperature - Operating °C | -40 °C - 90 °C  |
| Temperature - Operating °F | -40 °F - 194 °F |



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**Technical Data****Approvals**

|                      |         |
|----------------------|---------|
| Approval mark UL/CSA | E509223 |
|----------------------|---------|

**Classifications**

|           |          |
|-----------|----------|
| ETIM 7.0  | EC002637 |
| ETIM 8.0  | EC002637 |
| ETIM 9.0  | EC002637 |
| ETIM 10.0 | EC002637 |

**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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## Accessories

| P/N    | Designation                   |
|--------|-------------------------------|
| 700701 | M12 screw plug for jacks IP54 |



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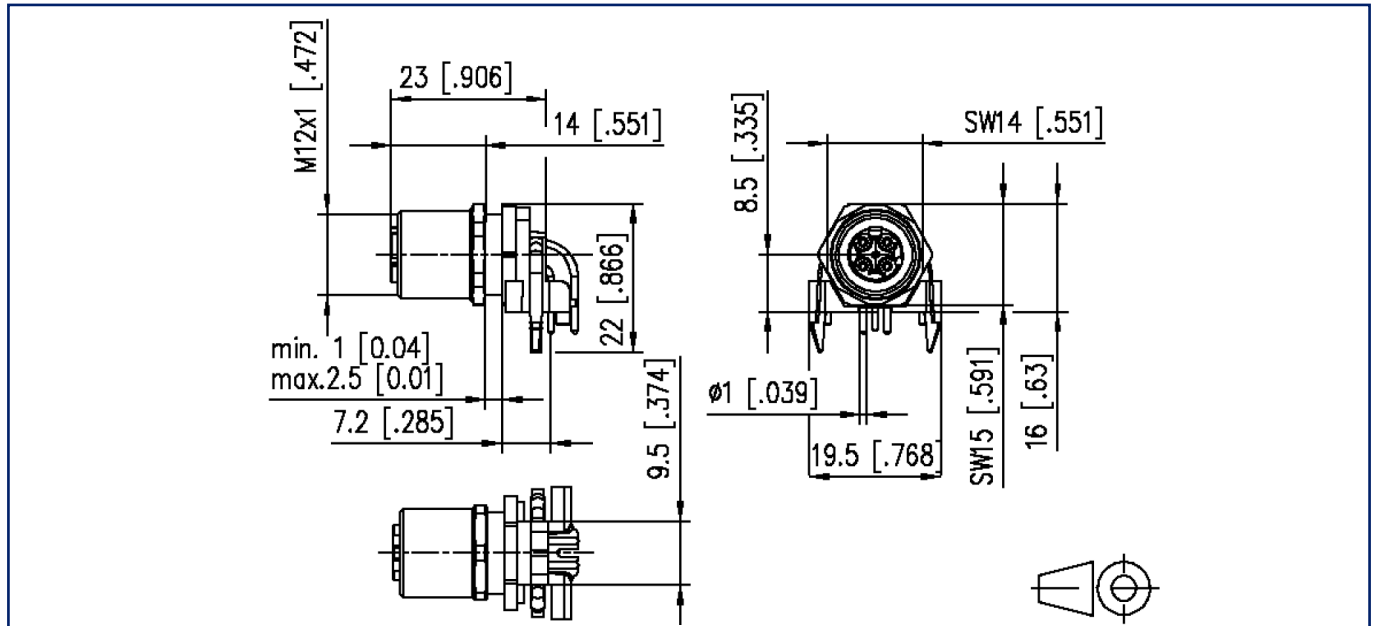
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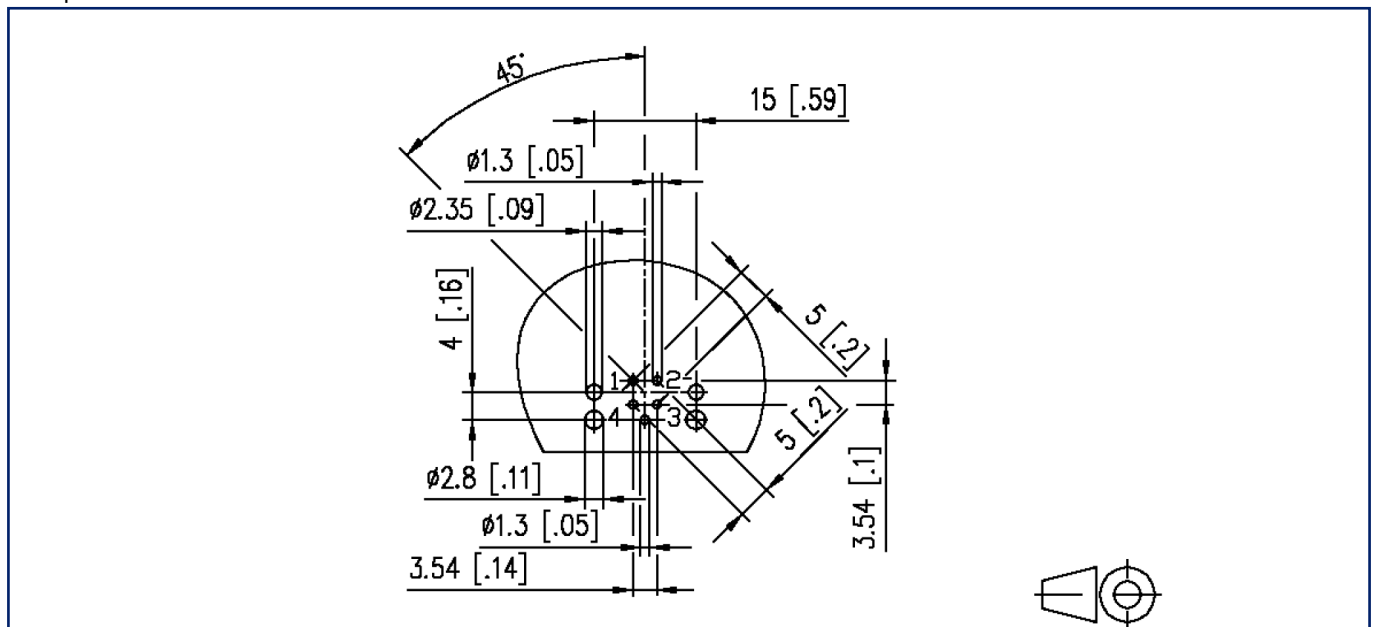
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## Illustrations

## Dimensional drawing



### Drill pattern



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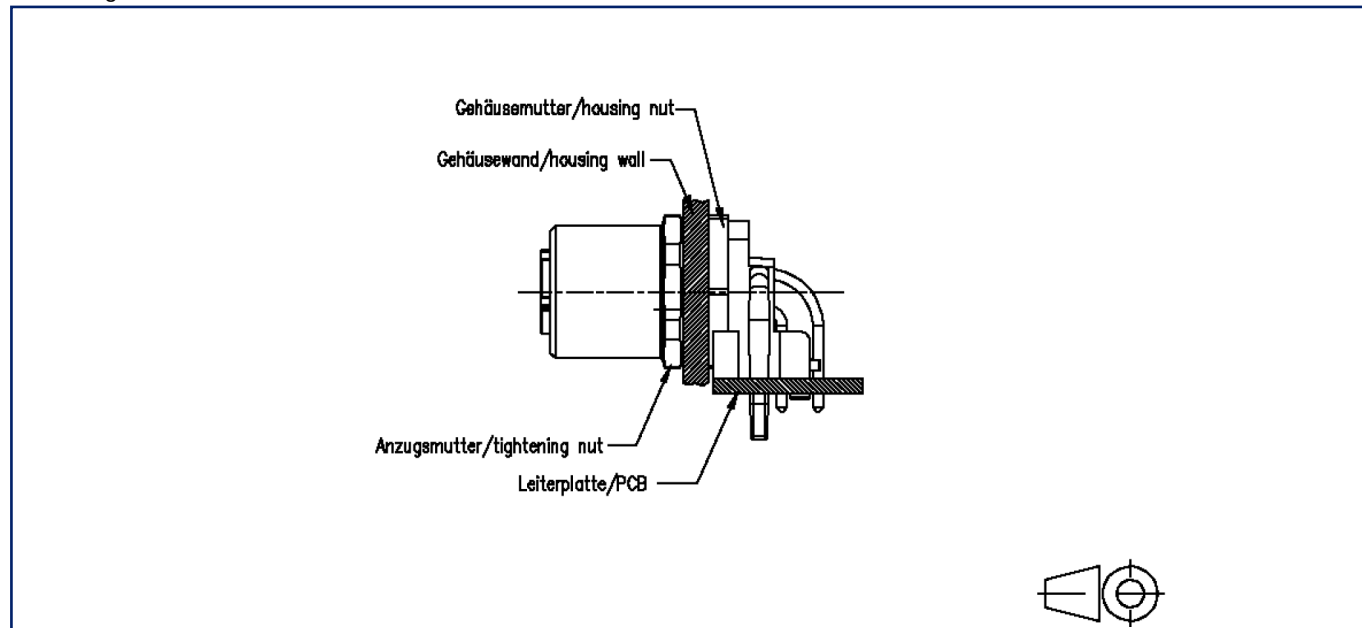
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## Illustrations

### Mounting instruction



### Tightening torque - Jack mounting

3 Nm +/- 0,5 Nm (Measured between tightening nut and housing nut)

