

# Data sheet

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

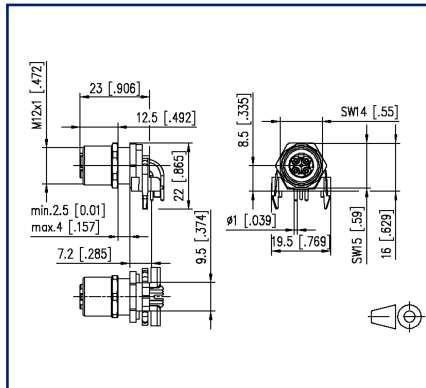
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**P/N**  
**MMT471A115-0001**  
**EAN 4250184187974**  
2023/07/04  
Version: J

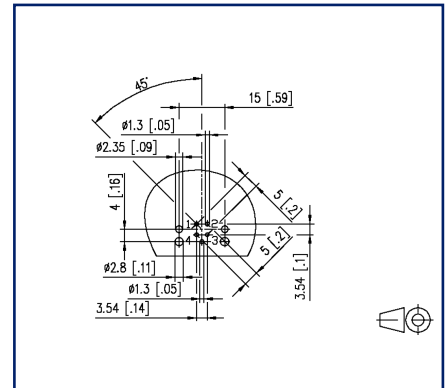
## Illustrations



## 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 4 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)   | 4 mm                              |
| For wall thickness (inch) | 0.157 in.                         |

### Electrical characteristics

|                          |               |
|--------------------------|---------------|
| Rated voltage            | 250 V         |
| 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              |
| Material - Insulating body        | PA UL94 V0           |
| Color                             | metallike            |
| Life - Number of mating cycles    | >= 100               |
| Tightening torque - Plug          | 0,6 - 1 Nm           |
| Tightening torque - Jack mounting | 3 Nm +/- 0,5 Nm      |
| Protection category               | IP67 when plugged in |

### Climatic properties

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

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### Approvals

|                  |         |
|------------------|---------|
| Approval mark UL | pending |
|------------------|---------|

### Standards/Regulations

Railway applications

|                                            |                             |
|--------------------------------------------|-----------------------------|
| Electronic equipment used on rolling stock | following to DIN EN 50155   |
| Fire protection on railway vehicles        | following to DIN EN 45545-2 |

### Classifications

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

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## Accessories

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



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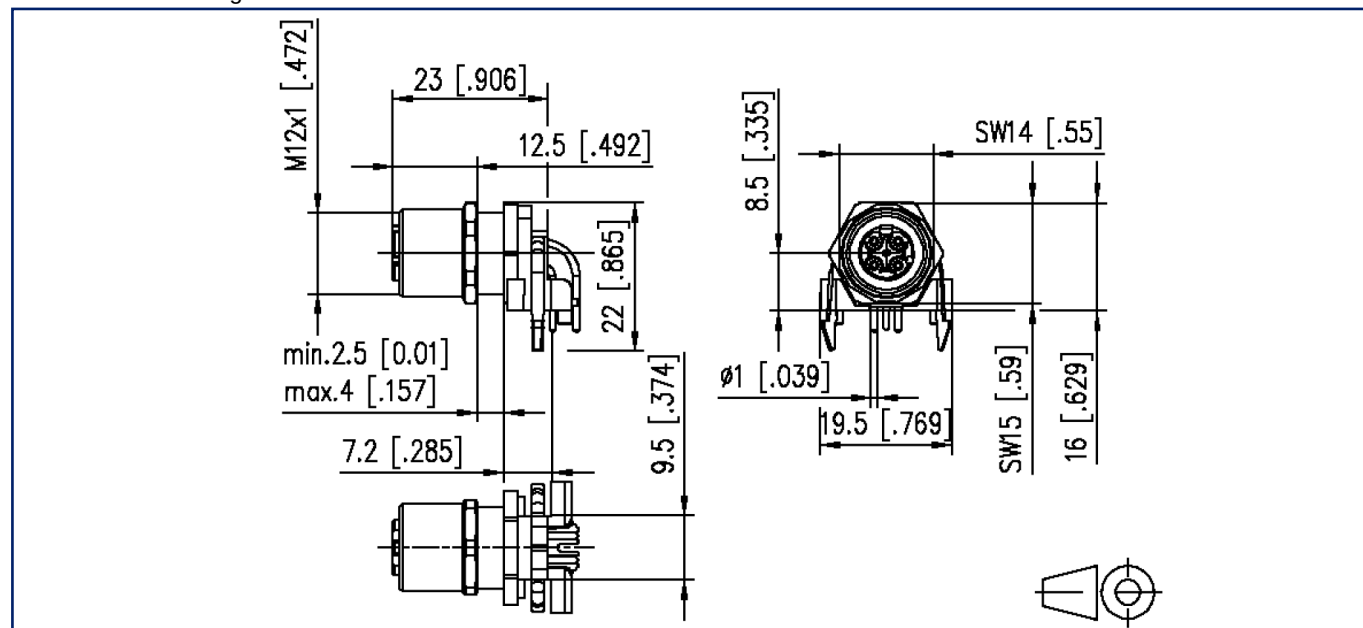
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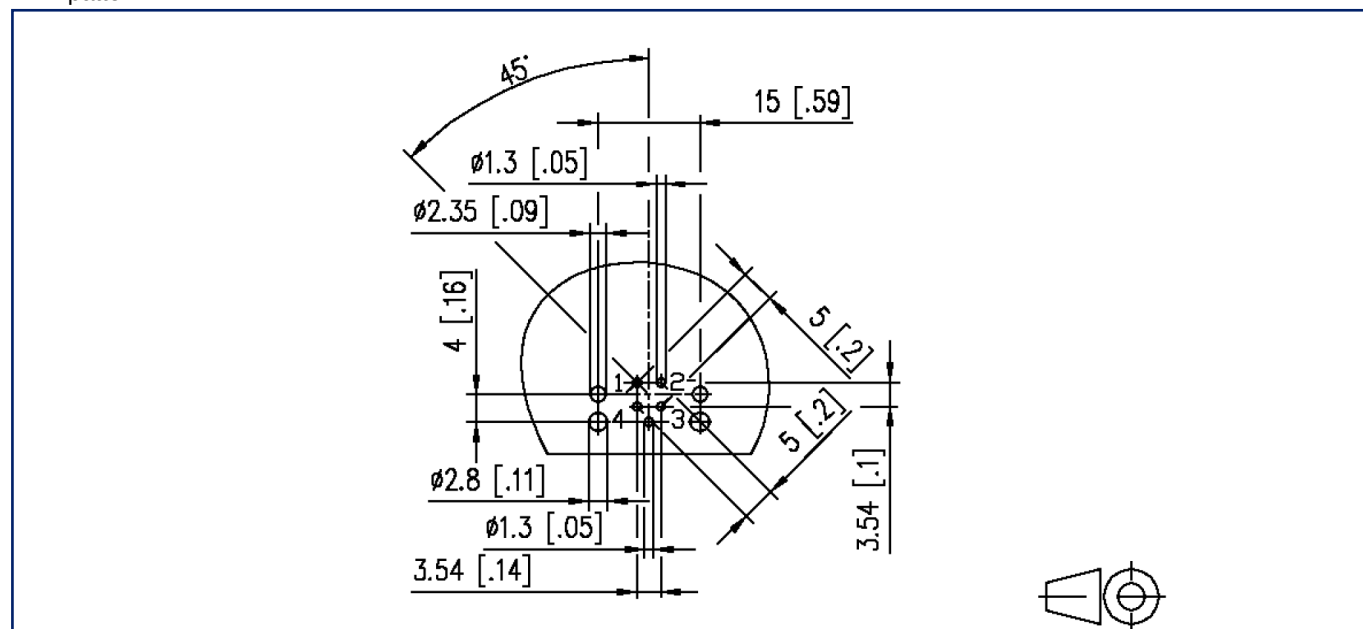
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Cut-out

