

Data sheet

**PC board jack M12, D-coded, 4-pole, IP67,
90° angled, max. 5 mm wall thickness**

P/N

MMT471A115-0002

EAN 4250184187981

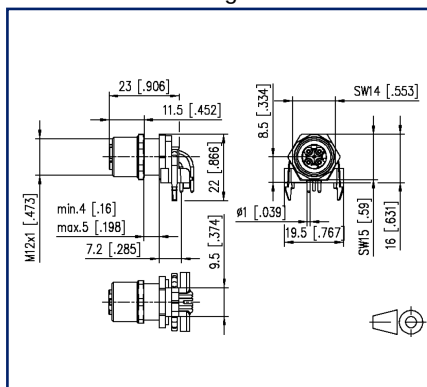
2026/08/03

Version: S

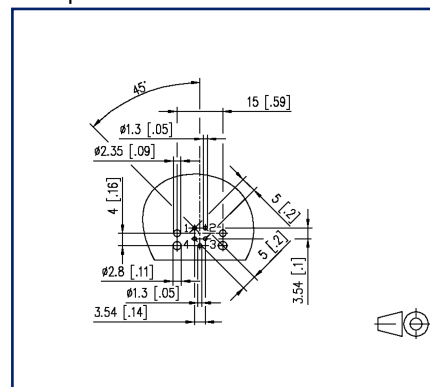
Illustrations



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 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)	5 mm
For wall thickness (inch)	0.197 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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Approvals

Approval mark UL/CSA E509223

Standards/Regulations

Railway applications

Electronic equipment used on rolling stock following to EN 50155:2021

Fire protection on railway vehicles following to EN 45545-2:2020+A1:2023

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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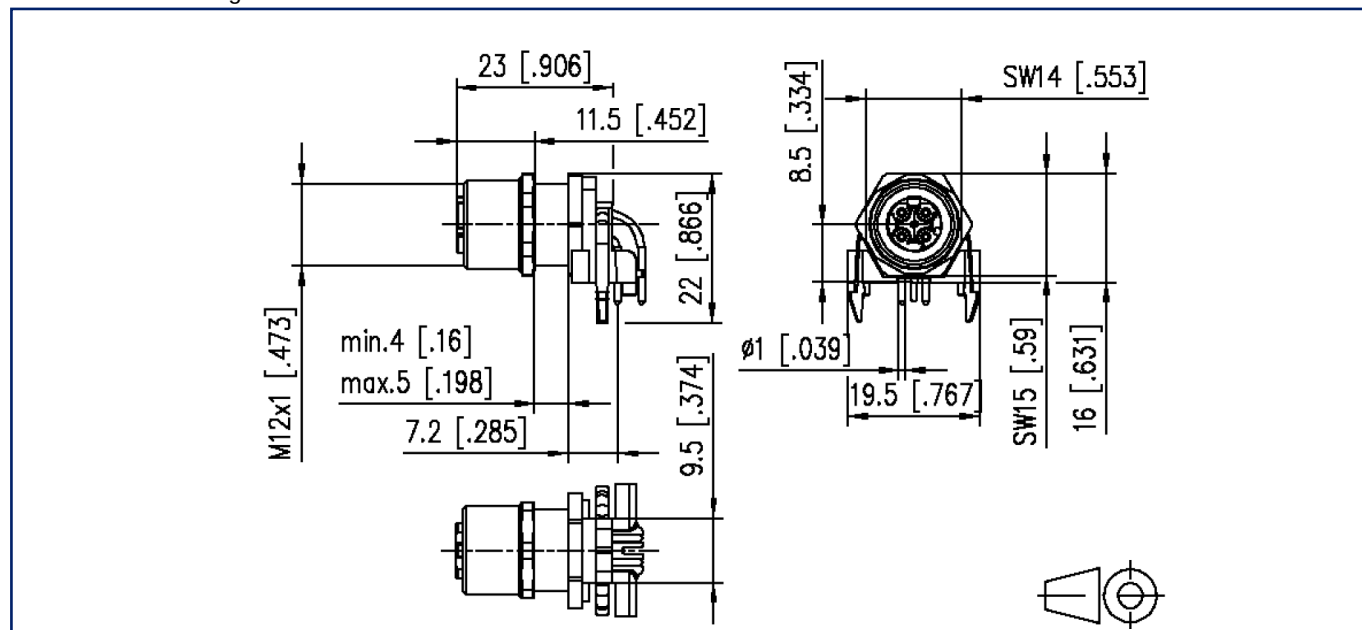
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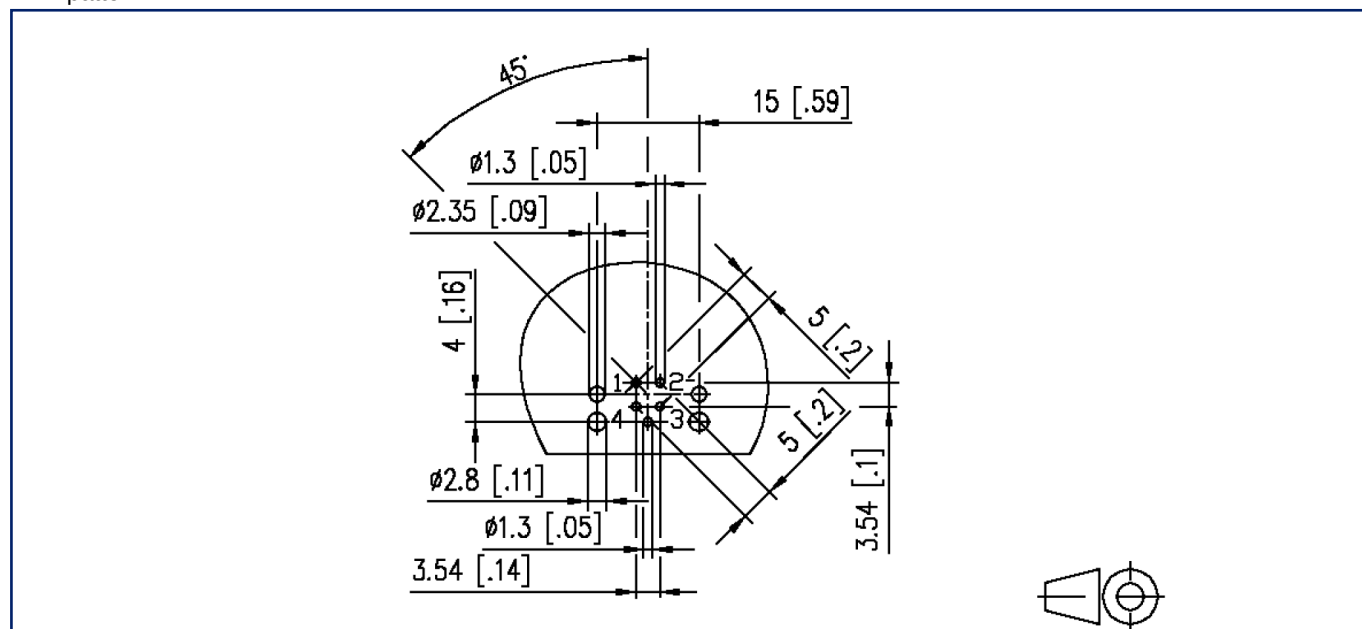
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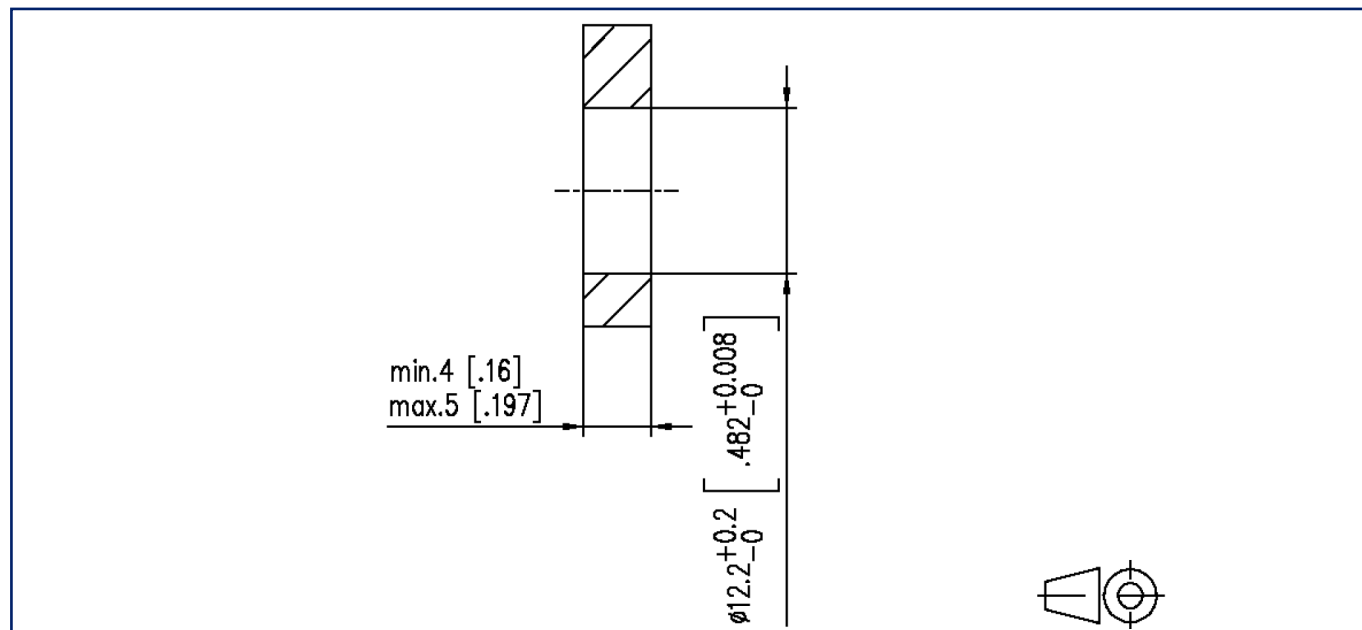
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Cut-out



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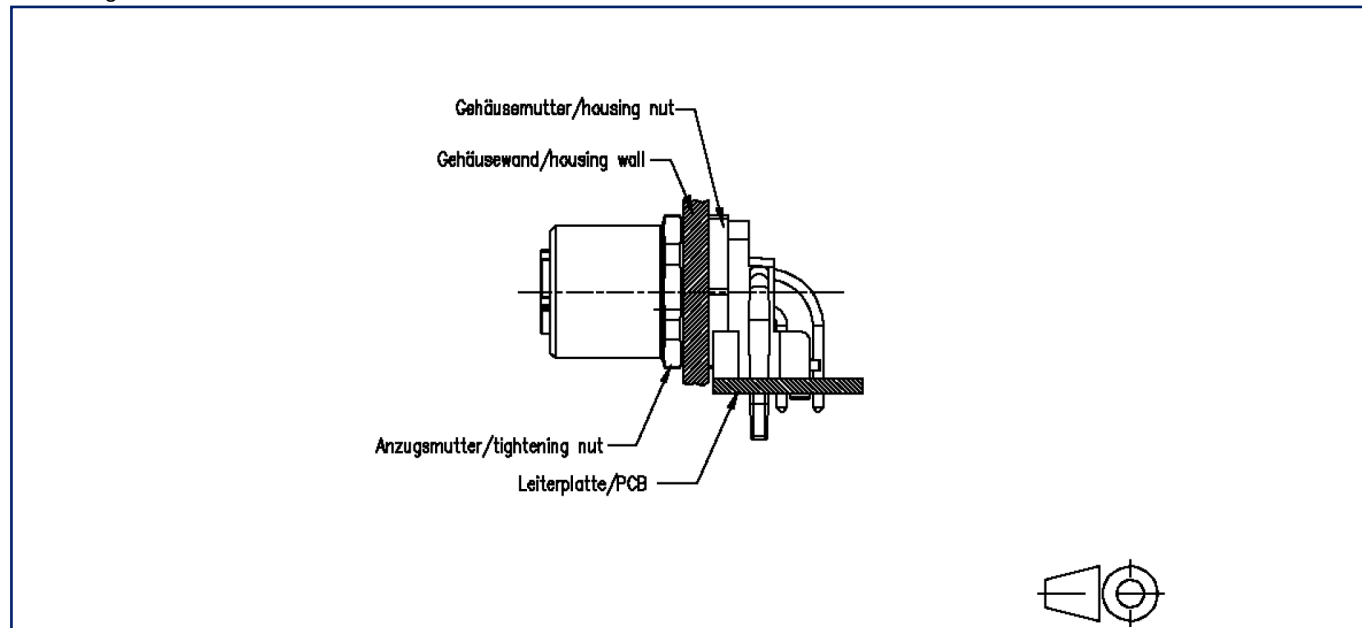
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Mounting instruction



Tightening torque - Jack mounting

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

