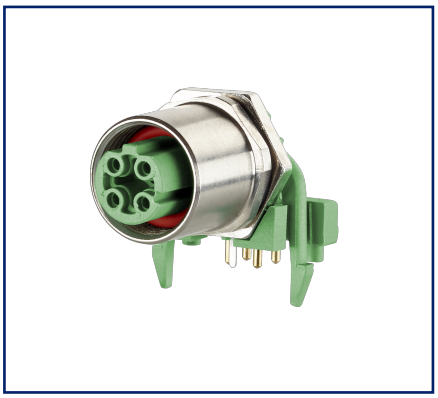
Data sheet

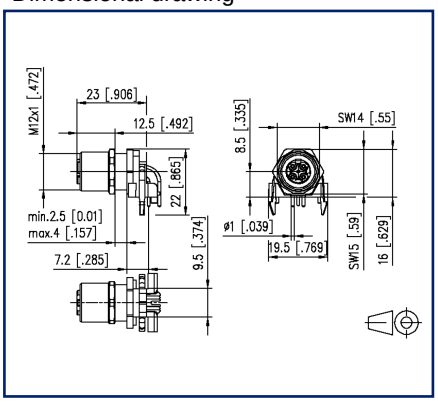
PC board jack M12, D-coded, 4-pole, IP67, 90° angled, max. 4 mm wall thickness

P/N MMT471A115-0001
EAN 4250184187974
2024/11/06
Version: P

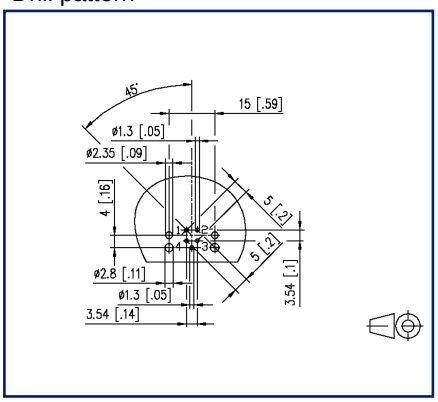
Illustrations



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
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
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 (see illustration at the end of the data sheet)
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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Technical Data

Approvals	
Approval mark UL/CSA	E509223
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

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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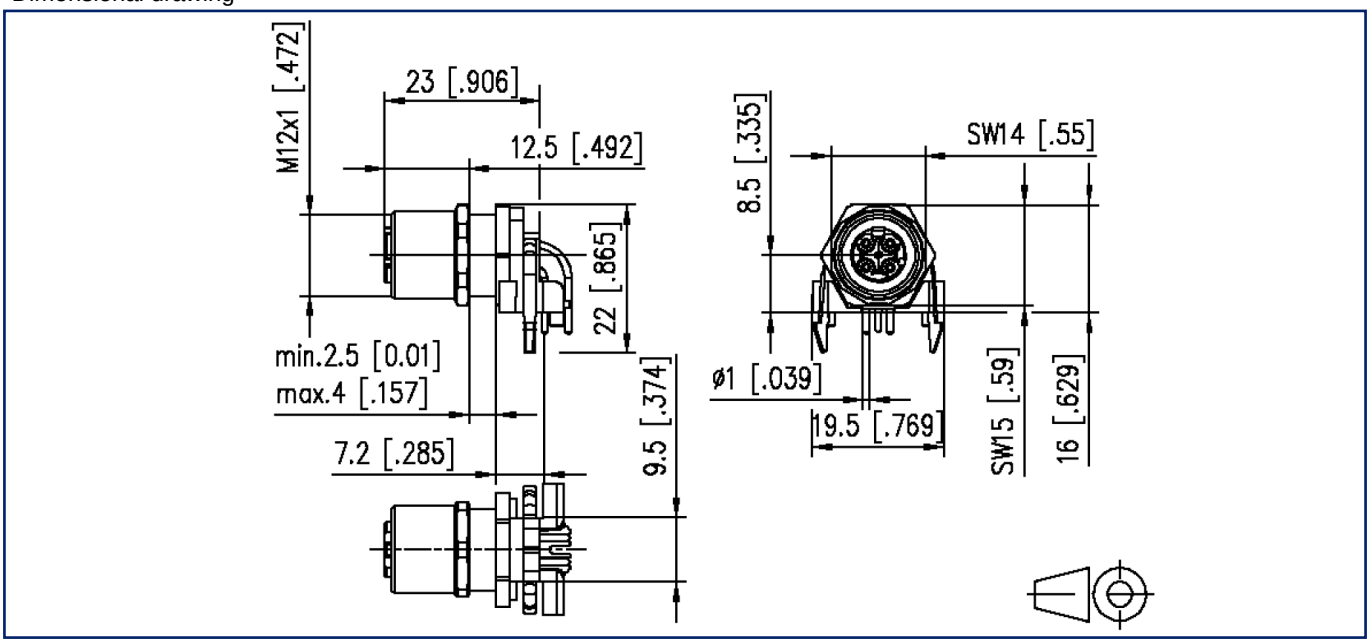
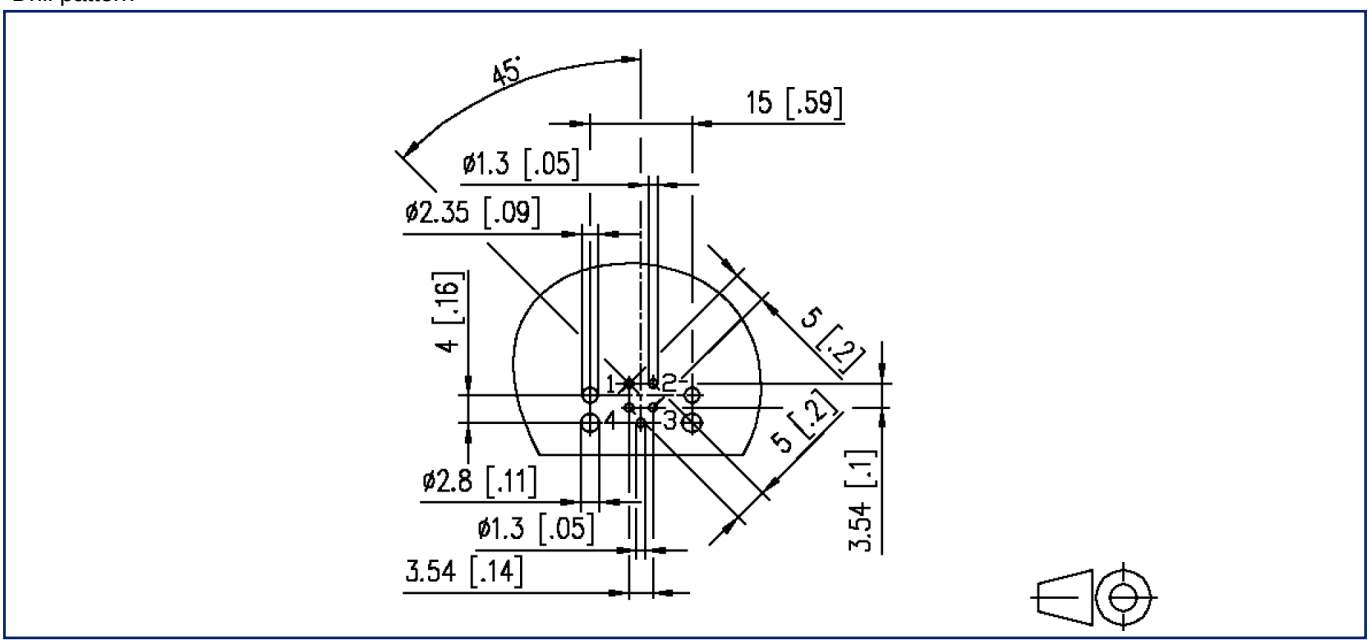
Illustrations

Dimensional drawing



Drill pattern



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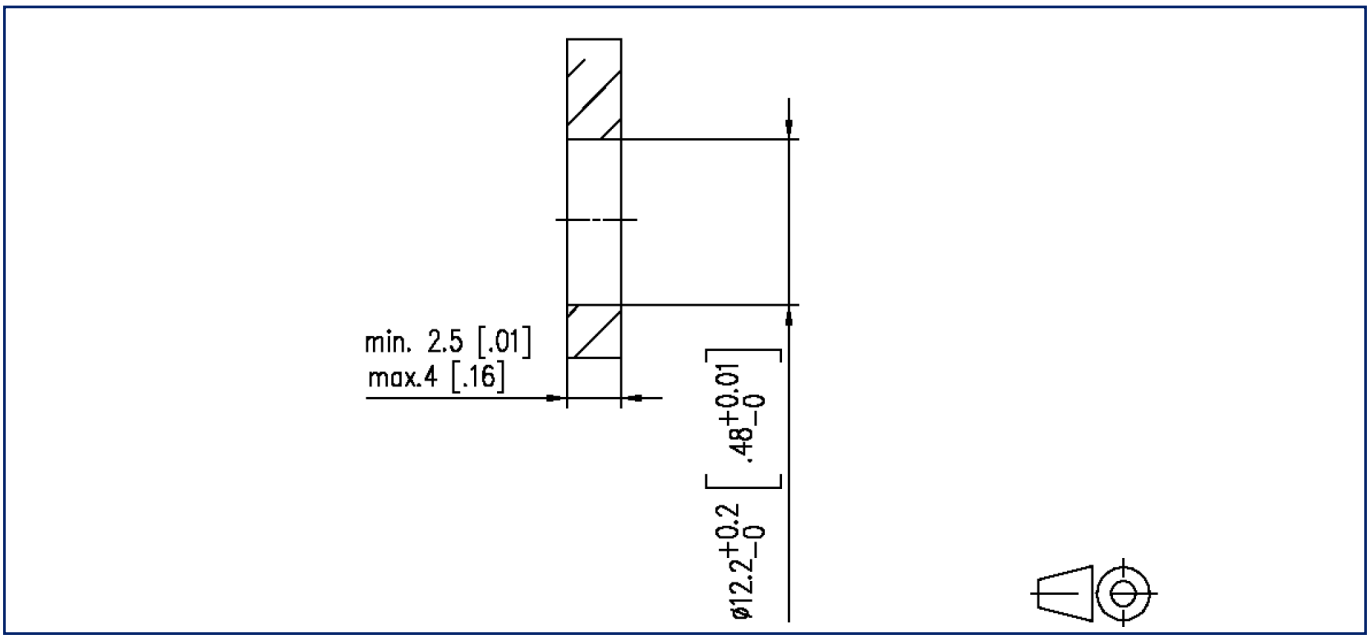
Illustrations

Cut-out



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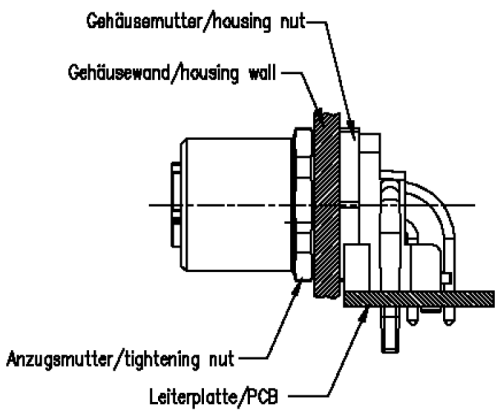
Illustrations

Mounting instruction



Tightening torque - Jack mounting

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

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