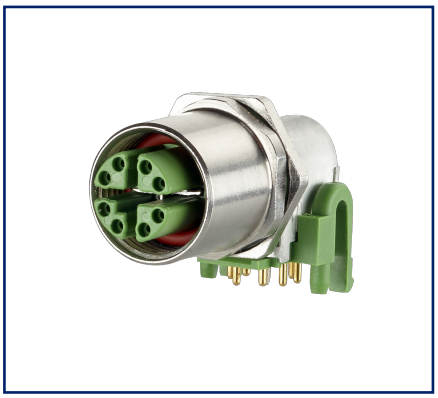
Data sheet

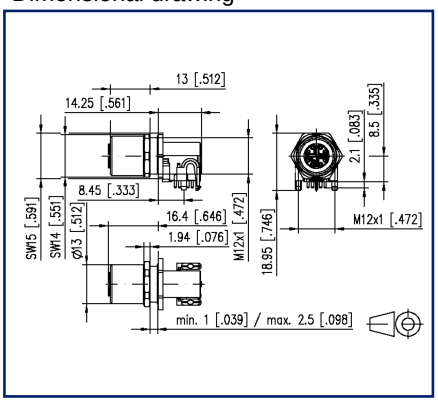
PC board jack M12, X-coded, 8-pole, IP67, 90° angled, max. 2.5 mm wall thickness

P/N MMT471A315
EAN 4250184169475
2022/06/27
Version: I

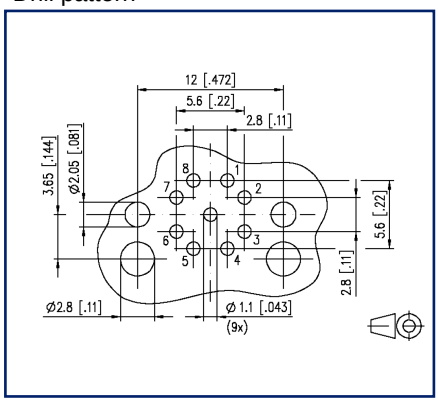
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- PC board jack M12
- 8-pole, X-coded according to IEC 61076-2-109
- 90° angled
- 10 GBit suitable according to IEEE 802.3an
- 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 according to data sheet

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Data sheet

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Technical Data

General Data	
Dimensions	
Dimension (L x W x H)	30.65 mm x 16.82 mm x 18.95 mm
Dimension (L x W x H)	1.207 in. x 0.662 in. x 0.746 in.
Jack	M12
Coding	X-coded
For wall thickness (mm)	2.5 mm
For wall thickness (inch)	0.098 in.
Electrical characteristics	
Rated voltage	50 V AC / 60 V DC
Nominal current at 50 °C	max. 0.5 A
Insulation resistance	min. 100 MOhm
Overvoltage category	II
Degree of pollution	2
Mechanical data	
Material	
Material - Housing	CuZnPb
Material - Contact	CuZnPb
Contact surface	Ni + Au
Material - Insulating body	PA UL94 V0
REACH	compliant
REACH - substance (SVHC)	Lead / 7439-92-1
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 - 85 °C
Temperature - Operating °F	-40 °F - 185 °F

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Technical Data

Approvals	
Approval mark UL	E178484
Packaging	
Type of packaging	10 pc(s) / blister packaging
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
Contact holder	Thermoplastic HL3 according to R22 EN 45545-2
Sealings	Elastomer
Shock and vibration	DIN EN 50155:2018-05, DIN EN 61373:2011-04 Class 1 Category B
Salt spray	DIN EN 50155:2018-05, (DIN EN 60068-2-11:2000-02/ 48h test KA)
Classifications	
ETIM 7.0	EC002637
ETIM 8.0	EC002637

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Accessories

P/N	Designation
700701	M12 screw plug for jacks IP54

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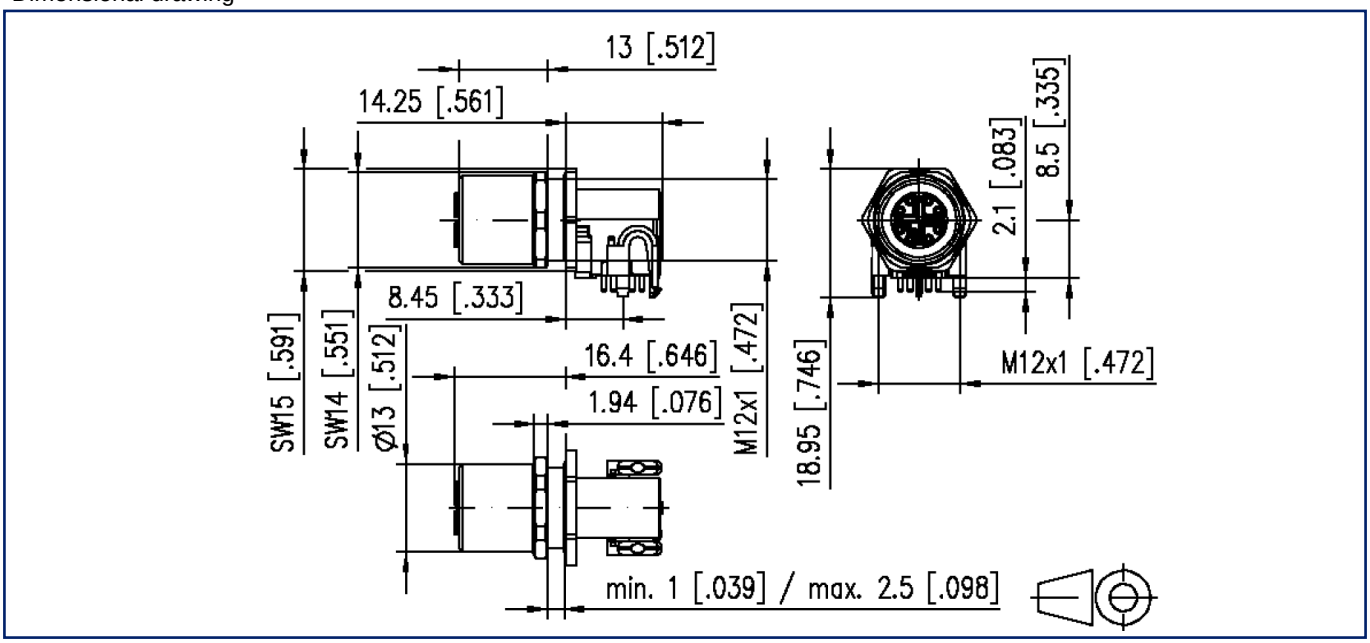
Data sheet

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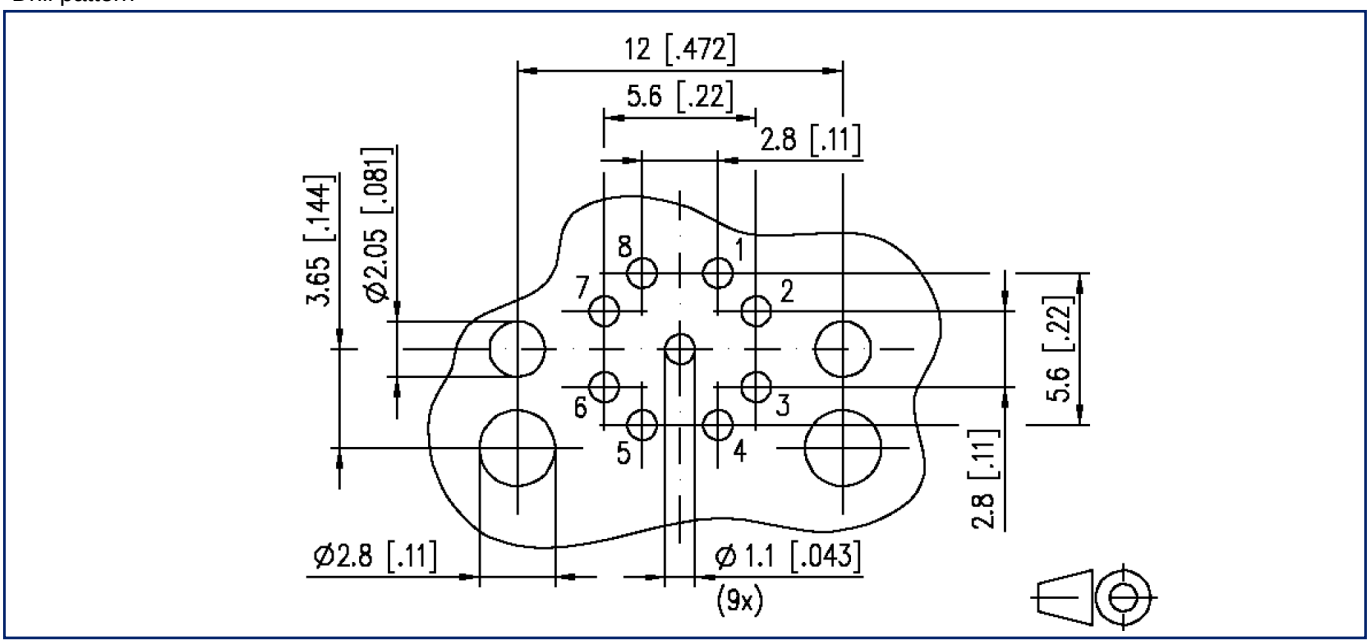
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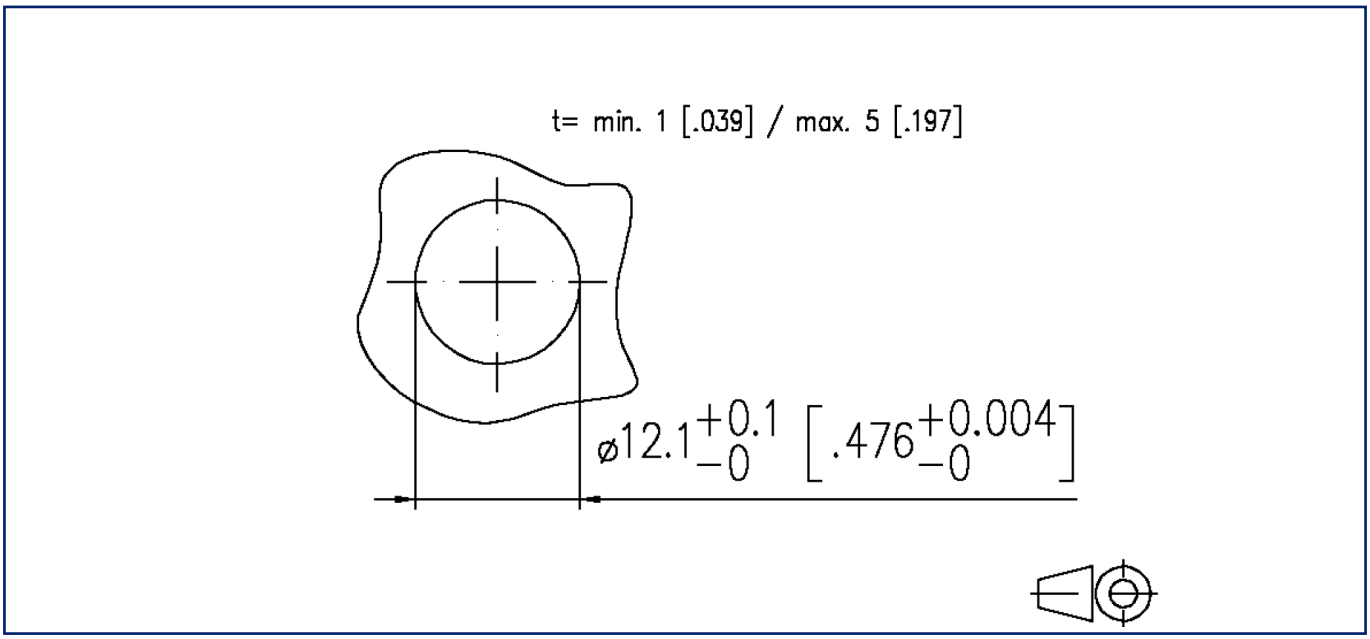
Data sheet

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Illustrations

Cut-out



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