

# Data sheet

## PC board insert M12, A-coded, 2-pole, black

P/N

MMT060A915-0001

EAN 4251394631905

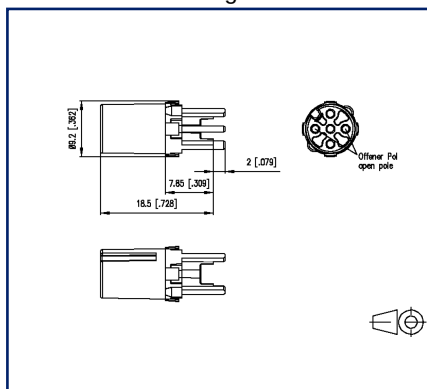
2026/08/03

Version: U

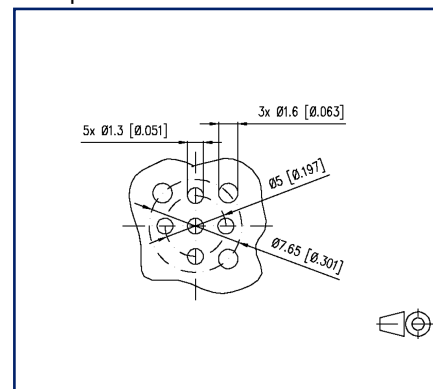
### Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

### Product specification

- PC board insert M12
- 2-pole, A-coded according to IEC 61076-2-101
- THR solderable
- Top entry
- Contact carriers black
- suitable for applications in the railway industry according to data sheet



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## Technical Data

## General Data

## Dimensions

|                   |                                    |
|-------------------|------------------------------------|
| Dimension (D x H) | Ø 9.2 mm x 20.5 mm                 |
| Dimension (D x H) | 0.362 in. x 0.807 in.              |
| Ports             | Single port                        |
| Solderability     | Acc. to IPC/JEDEC J-STD-020E-MSL 1 |
| Coding            | A-coded                            |

## Electrical characteristics

|                                          |               |
|------------------------------------------|---------------|
| Rated voltage                            | 250 V         |
| Effective value of the withstand voltage | 1.4 kV        |
| Current carrying capacity at 40 °C       | 4 A           |
| Insulation resistance                    | min. 100 MOhm |
| Overvoltage category                     | II            |
| Degree of pollution                      | 2             |

## Mechanical data

## Material

|                                |                            |
|--------------------------------|----------------------------|
| Material - Contact             | CuZnPb                     |
| Contact surface                | Ni + Au                    |
| Color                          | black                      |
| RoHS                           | pending                    |
| Life - Number of mating cycles | >= 100                     |
| 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 - 85 °C  |
| Temperature - Operating °F | -40 °F - 185 °F |



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## Technical Data

## Approvals

Approval mark UL/CSA E305050

## Standards/Regulations

Railway applications

Insulating body PA UL 94 V0 complies with HL1-HL3; R26 according to EN 45545-2:2020+A1:2023

Flammable mass (g) 0.83 g

## Classifications

ETIM 7.0 EC002637

ETIM 8.0 EC002637

## Packaging

Type of packaging 10 pc(s) / blister packaging

## 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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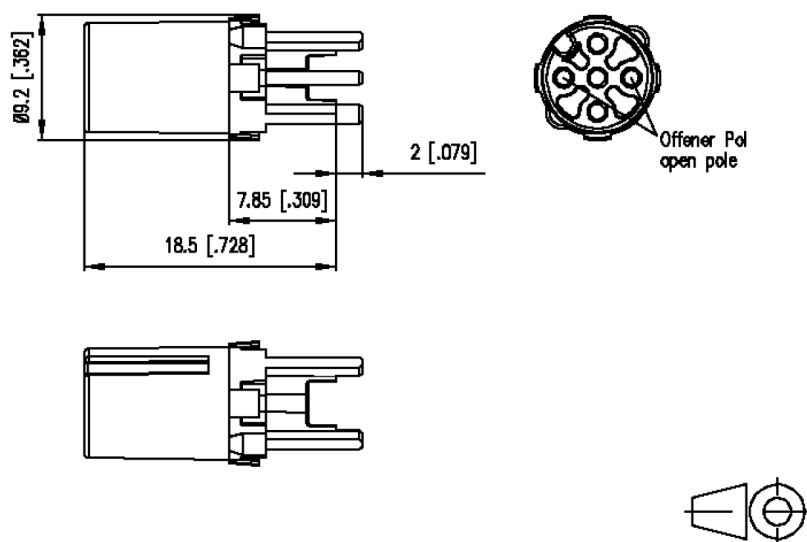
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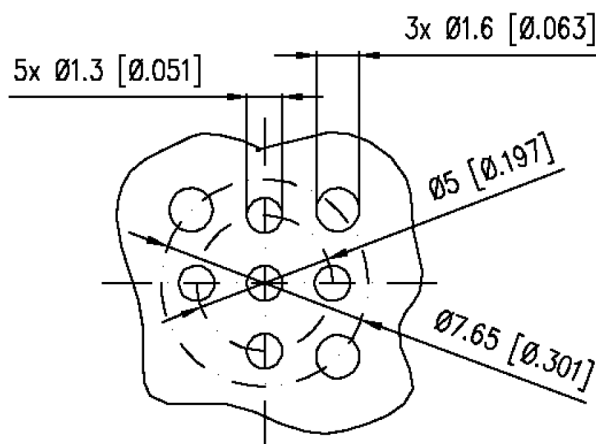
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## Illustrations

### Dimensional drawing



### Drill pattern



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## Illustrations

Snap-in geometry

