

# Data sheet

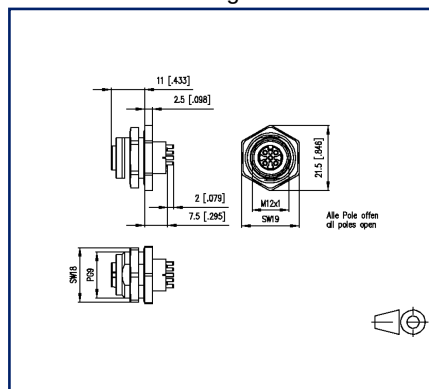
PC board jack M12, A-coded, 5-pole, IP67,  
rear mounting, in individual parts

P/N  
MMT371A815-0001  
EAN 4251394632292  
2026/08/03  
Version: Q

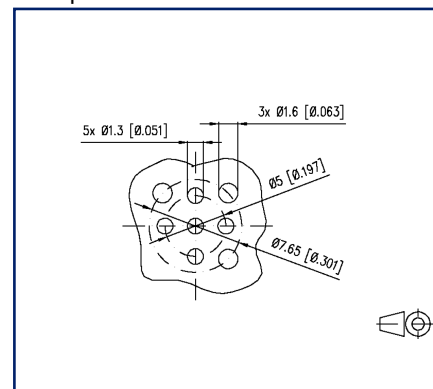
## Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

## Product specification

- PC board jack M12
- rear mounting
- 5-pole, A-coded according to IEC 61076-2-101
- THR solderable
- Top entry
- Contact carriers black
- IP67 when plugged in
- in individual parts
- suitable for applications in the railway industry according to data sheet



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Page 2/4

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## Technical Data

### General Data

|                   |                                    |
|-------------------|------------------------------------|
| Dimensions        |                                    |
| Dimension (D x H) | Ø 21.5 mm x 20.5 mm                |
| Dimension (D x H) | 0.846 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                            | 60 V          |
| Effective value of the withstand voltage | 1 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 - Housing                | CuZnPb                     |
| Material - Contact                | CuZnPb                     |
| Contact surface                   | Ni + Au                    |
| Color                             | black                      |
| RoHS                              | compliant                  |
| Life - Number of mating cycles    | >= 100                     |
| Tightening torque - Plug          | 0,6 - 1 Nm                 |
| Tightening torque - Jack mounting | 3 Nm +/- 0,5 Nm            |
| Protection category               | IP65, IP67 when plugged in |
| Particulate ingress               | IP6X when plugged in       |
| Liquid ingress/immersion          | IPX5, IPX7 when plugged in |



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Page 3/4

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| Climatic properties                        |                                                                             |
|--------------------------------------------|-----------------------------------------------------------------------------|
| Temperature - Operating °C                 | -40 °C - 85 °C                                                              |
| Temperature - Operating °F                 | -40 °F - 185 °F                                                             |
| Approvals                                  |                                                                             |
| Approval mark UL/CSA                       | E305050                                                                     |
| 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                                        |
| 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                                                                      |
| Sealings                                   | Elastomer                                                                   |
| Flammable mass (g)                         | 0.18 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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Page 4/4

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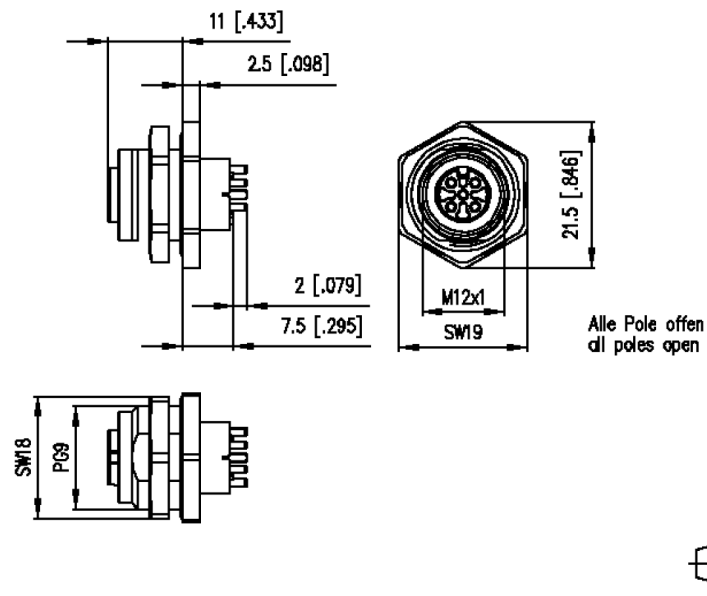
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