

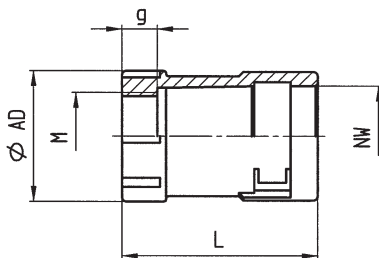
**Female Connector**

straight with metal thread IP68 metric

NEIR

PMA Ex eb and Ex tb Non Metallic System

Dimensions



Features

- Made of dissipative PA12, with nickel-plated brass thread
- Prevents electrostatic charging
- For indoor and outdoor applications
- High thread and system connection strengths
- Corrosion resistant
- Easy installation
- Very good chemical properties
- Zone 1,2, 21 & 22



Certification & Standards

Approved to: IEC EN 60079-0, 60079-7, 60079-31

EC TYPE Examination: ATEX: SEV 15 ATEX 0121X

Certificate: IECEx: IECEx SEV15.0009X

Ex eb IIC Gb

Ex tb IIIC Db

Temperature: -5°C to +85°C Sizes 02-03 (NW10-12)

-20°C to +85°C Sizes 04-08 (NW17-48)

IP protection: IP66, IP68

| order no. | thread size | conduit size | dimensions in mm (nom.) | | | | | | weight | packing unit |
|-----------|-------------|--------------|-------------------------|------|----------|------|----|------|--------|--------------|
| | | | g | d | Ø D max. | L | sw | | | |
| black | metric | NW | | | | | | | | |
| NEIR0303 | M16x1.5 | 12 | 9.0 | 13.5 | 24.0 | 41.0 | 22 | 1.3 | 10 | |
| NEIR0404 | M20x1.5 | 17 | 10.0 | 18.0 | 30.0 | 50.0 | 27 | 2.7 | 10 | |
| NEIR0505 | M25x1.5 | 23 | 10.0 | 23.0 | 37.0 | 56.0 | 34 | 3.9 | 10 | |
| NEIR0606 | M32x1.5 | 29 | 11.0 | 30.0 | 45.0 | 55.5 | 41 | 5.1 | 10 | |
| NEIR0707 | M40x1.5 | 36 | 13.0 | 38.0 | 55.0 | 71.0 | 50 | 8.6 | 10 | |
| NEIR0808 | M50x1.5 | 48 | 15.0 | 48.0 | 66.0 | 73.0 | 60 | 16.2 | 10 | |

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time

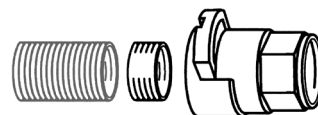
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| properties | unit | value | test method |
|---|-------------------|-------------------|--|
| Mechanical properties | | | |
| Stress-E-module | N/mm ² | 350 | ISO 527 |
| Tensile strength | N/mm ² | 35 | ISO 527 |
| Notched bar impact test | kJ/m ² | 9 (-30°C) | ISO 179/2-1eA |
| Impact strength | kJ/m ² | > 7 (85°C) | EN 60079-0 |
| | kJ/m ² | > 7 (-20°C) | EN 60079-0 |
| Thermal properties | | | |
| For use in hazardous locations: | | | |
| Temperature range sizes 02-03 | °C | -05 ... +85 | EN 60079-0 |
| Temperature range sizes 04-08 | °C | -20 ... +85 | EN 60079-0 |
| General: | | -50 ... +95 | |
| Fire safety characteristics | | | |
| Application approvals | | | |
| System test | | | |
| Please refer to Info-No. 10 | | | |
| Electrical properties | | | |
| Specific surface resistivity | Ω | < 10 ⁷ | ASTM D257 |
| Chemical properties | | | |
| Please refer to www.pma.ch | | | |
| Environmental properties | | | |
| RoHS and REACH compliant | | yes | EU Directive 2011/65/EU EU Directive 1907/2006/EC |
| Weathering resistance | | | |
| Weathering (UV/humidity) for black colour | | very good | |
| Content of delivery | | | |
| Connector with clip, Ex-System conduit seal (NEN3) | | | |
| Mounting indication | | | |
| On the thread/connection side appropriate, conductive sealants must be used for ingress protection ratings IP67 or IP68. For non-conductive sealants additional earthing measures has to be taken in account. Assembly instructions and other relevant documents are available at www.pma.ch . | | | |



The specifications and instructions for our customers in this document reflect the product engineering level at the time of manufacturing. Please consider the valid data sheet release at a time. For questions please contact the PMA customer service. ABB Switzerland, PMA Cable Protection accepts no liability for damages resulting from unprofessional installation or application or misuse for a purpose. This disclaimer also includes damages to third parties. It is the customer's responsibility to check the delivered products and immediately notify ABB Switzerland, PMA Cable Protection of detected faults. It is also the customer's responsibility to test the delivered product on its applicability for the intended purpose. ABB Switzerland, PMA Cable Protection will accept no liability or responsibility for their products if a product or a PMA system is combined or used together with third-party products, i.e. products from other companies than ABB Switzerland, PMA Cable Protection. Jurisdiction in all legal disputes concerning product liability have the courts of the canton of Zurich/Switzerland. Swiss law applies.

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