
 TECHNICAL DATA SHEET

PMA Ex system – NEIR - Fitting

Straight, IP68, metric female metal thread

PMA



IP68, metal female thread fitting for PMA Ex non metallic System



Applications:

- For indoor and outdoor applications in hazardous areas

Features & Benefits:

- Prevents electrostatic charging
- For indoor and outdoor applications
- High connection strength - to conduit and mating parts on thread side
- Corrosion resistant
- Easy installation
- Very good chemical properties
- For Zone 1, 2, 21 & 22

Ingress protection:

- IP66, IP68 & IP69 (IEC EN 60529)
- IP69, 100 bar with Water impact protection (WPS)

Materials:

- Fitting body: Dissipative polyamide 12
- Thread: Nickel-plated brass

Compatible with:

- PMA Ex-System Conduit

Conforms to:

- IEC EN 60079-0, IEC EN 60079-7, IEC EN 60079-31
- GB/T 3836.1, GB/T 3836.3, GB/T 3836.31

Certificates:

- ATEX: SEV 15 ATEX0121X
- IECEX: IECEX SEV15.0009X
- CCCEX: 2024122313118136

Ex-Markings:

- Ex eb IIC Gb
- Ex tb IIIC Db

Weathering resistance:

- Very good UV resistance and weathering characteristics

Colour:

- Black

Chemical properties:

- Please refer to www.pma.ch for more technical information and informations on chemical resistance

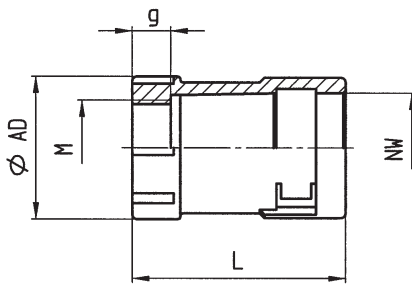
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

| Part no. | Thread size | Conduit size | Dimensions in mm (nom.) | | | | | Weight | Packing unit |
|----------|-------------|--------------|-------------------------|------|------|------|------|------------|--------------|
| | | | g | L | d1 | Ø AD | SW | | |
| black | metric | NW | g | L | d1 | Ø AD | SW | kg/100 pcs | pcs/PU |
| NEIR0303 | M16x1.5 | 12 | 9.0 | 41.0 | 13.5 | 24.0 | 22.0 | 1.3 | 10 |
| NEIR0404 | M20x1.5 | 17 | 10.0 | 50.0 | 18.0 | 30.0 | 27.0 | 2.7 | 10 |
| NEIR0505 | M25x1.5 | 23 | 10.0 | 56.0 | 23.0 | 37.0 | 34.0 | 3.9 | 10 |
| NEIR0606 | M32x1.5 | 29 | 11.0 | 55.5 | 30.0 | 45.0 | 41.0 | 5.1 | 10 |
| NEIR0707 | M40x1.5 | 36 | 13.0 | 71.0 | 38.0 | 55.0 | 50.0 | 8.6 | 10 |
| NEIR0808 | M50x1.5 | 48 | 15.0 | 73.0 | 48.0 | 66.0 | 60.0 | 16.2 | 10 |

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



| Mechanical Properties: | Value: | Test parameters: | Test method: |
|-----------------------------------|------------------------|------------------|--------------|
| Tensile modulus | 1100 N/mm ² | | ISO 527 |
| Tensile strength | 35 N/mm ² | | ISO 527 |
| Fitting impact strength | > 7 J | (85°C) | EN 60079-0 |
| Fitting impact strength (NW10-12) | > 7 J | (-5°C) | EN 60079-0 |
| Fitting impact strength (NW17-48) | > 7 J | (-20°C) | EN 60079-0 |

| Thermal properties: | Value: | Test parameters: | Test method: |
|--|----------------|------------------|--------------|
| For use in hazardous locations: | | | |
| Temperature range in combination with PMA XESX conduit sizes 02-03 (NW10-12) | -05 ... +85 °C | | EN 60079-0 |
| Temperature range in combination with PMA XESX conduit sizes 04-08 (NW17-48) | -20 ... +85 °C | | EN 60079-0 |
| General: | -50 ... +95 °C | | |

| Electrical properties: | Value: | Test parameters: | Test method: |
|------------------------|---------------------|------------------|--------------|
| Surface resistivity | < 10 ⁷ Ω | | ASTM D257 |

Content of delivery:

- Fitting with conduit locking clip (EVN2)
- Ex-System conduit gasket (NEN3)

Assembly instructions:

- Please consider the appropriate assembly instructions on www.pma.ch
- O-ring or thread gasket, select the best solution for your application

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