



Connector

straight with strain relief
and metal thread

IP68

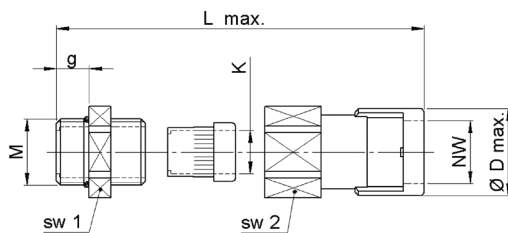
metric thread



NENZ-L

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
- With integrated strain relief and optimal ingress protection at the cable (up to IP68 / 10 bar)
- 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 |
| | CCC GB/T 3836.1, GB/T 3836.3, GB/T 3836.31 |
| EC TYPE Examination | ATEX: SEV 15 ATEX 0121X |
| Certificate: | IECEX: IECEx SEV15.0009X |
| | Ex eb IIC Gb |
| | Ex tb IIIC Db |
| | CCC |
| 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 | clamping range | dimensions in mm (nom.) | | | | | weight | packing unit |
|----------------|-------------|--------------|----------------|-------------------------|----------|------|-----|-----|------------|--------------|
| black | metric | NW | K | g | Ø D max. | L | sw1 | sw2 | kg/100 pcs | pcs |
| NENZ0202S/P1-L | M12x1.5 | 10 | 4.0 - 6.5 | 15.0 | 23.0 | 66.5 | 17 | 21 | 3.5 | 10 |
| NENZ0203S/P1-L | M16x1.5 | 10 | 4.0 - 6.5 | 15.0 | 23.0 | 58.5 | 18 | 21 | 3.3 | 10 |
| NENZ0304S/P3-L | M20x1.5 | 12 | 6.5 - 9.5 | 15.0 | 28.5 | 62.5 | 22 | 26 | 4.7 | 10 |
| NENZ0404S/P5-L | M20x1.5 | 17 | 9.0 - 13.0 | 15.0 | 31.0 | 68.5 | 22 | 28 | 5.1 | 10 |
| NENZ0606S/P3-L | M32x1.5 | 29 | 17.0 - 20.5 | 15.0 | 46.5 | 91.0 | 40 | 43 | 20.2 | 10 |

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



Connector

straight with strain relief
and metal thread

IP68

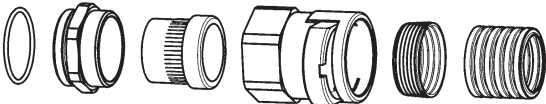
metric thread



NENZ-L

PMA Ex eb and Ex tb Non Metallic System

| properties | unit | value | test method |
|--|-------|--|----------------------------------|
| Mechanical properties | | | |
| Stress-E-module | N/mm2 | 350 | ISO 527 |
| Tensile strength | N/mm2 | 35 | ISO 527 |
| Notched bar impact test | kJ/m2 | 9 (-30°C) | ISO 179/2-1eA |
| Impact strength | kJ/m2 | > 7 (85°C) | EN 60079-0 |
| | kJ/m2 | > 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 | | | |
| Please refer to Info-No. 10 | | | |
| Electrical properties | | | |
| Specific surface resistivity | Ω | < 10 ⁷ | ASTM D257 |
| Chemical properties | | | |
| Please refer to catalogue | | | |
| PMA Ex-System or www.pma.ch | | | |
| Environmental properties | | | |
| RoHS and REACH compliant | | yes | |
| Weathering resistance | | | |
| Weathering (UV/humidity) for black colour | | very good | |
| System test | | | |
| Ingress protection: System S with NEN3, OR and DE (sealing insert) at the cable | | IP68 stat./IP67 dyn. IP68 (up to 10 bar) | EN 60529 / DIN 40050 / IEC 60529 |
| Content of delivery | | | |
| Ex-System connector with clip (OVN2), O-ring (OR), Ex-System conduit seal (NEN3), Pflitsch adapter and sealing insert (DE) | | | |
| Mounting indication | | | |
| Assembly instructions and other relevant documents are available at www.pma.ch | | | |



Not intended for use as cable gland

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.
For more information and the newest data sheet releases go to: [www.pma.ch](#)



Connector

straight with strain relief
and metal thread

IP68

metric thread

NENZ-L

PMA Ex eb and Ex tb Non Metallic System

Sealing system

The graduation of the terminal range of the UNI sealing system allows the optimum transmission of the clamping forces onto the cables. The distribution of the pressure on the large contact area of sealing insert and cable avoids any damage of the cable. At the same time an optimum sealing and strain relief of the cable will be provided. Even when not completely tightend the membrane of the sealing insert offers a sealing of IP54.

If several conductors are used with the connector multiple sealing inserts should be considered.

Dimensions

Dimensionen

