
 TECHNICAL DATA SHEET

PMA Ex system - NENZ-L - Strain relief fitting

Straight connector with strain relief, metric thread




IP68, metal thread fitting with strain relief
for PMA Ex Non Metallic System



Applications:

- For indoor and outdoor applications in hazardous areas

Features & Benefits:

- Prevents electrostatic charging
- Integrated strain relief
- 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

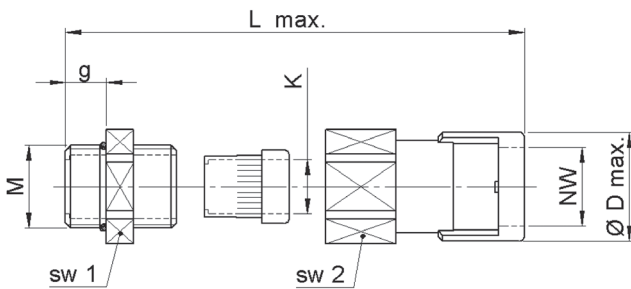
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.	Thread size	Conduit size	Clamping range	Dimensions in mm (nom.)					Weight	Packing unit
				g	L	Ø D max.	SW1	SW2		
black	metric	NW	K	g	L	Ø D max.	SW1	SW2	kg/100 pcs	pcs/PU
NENZ0202S/P1-L	M12x1.5	10	4.0 - 6.5	15.0	58.5	23.0	17	21	3.3	10
NENZ0202S/P2-L	M12x1.5	10	5.0 - 8.0	15.0	58.5	23.0	17	21	3.3	10
NENZ0203S/P1-L	M16x1.5	10	4.0 - 6.5	15.0	58.5	23.0	18	21	3.3	10
NENZ0203S/P2-L	M16x1.5	10	5.0 - 8.0	15.0	58.5	23.0	18	21	3.3	10
NENZ0304S/P3-L	M20x1.5	12	6.5 - 9.5	15.0	62.5	28.5	22	26	4.7	10
NENZ0404S/P5-L	M20x1.5	17	9.0 - 13.0	15.0	68.5	31.0	22	28	5.1	10
NENZ0606S/P3-L	M32x1.5	29	17.0 - 20.5	15.0	91.0	46.5	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



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		

Fire safety 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)
- O-ring (OR)
- Pflitsch adapter and sealing insert

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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