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 TECHNICAL DATA SHEET

# PMA Ex system - NENZ - 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](http://www.pma.ch) for more technical information and informations on chemical resistance

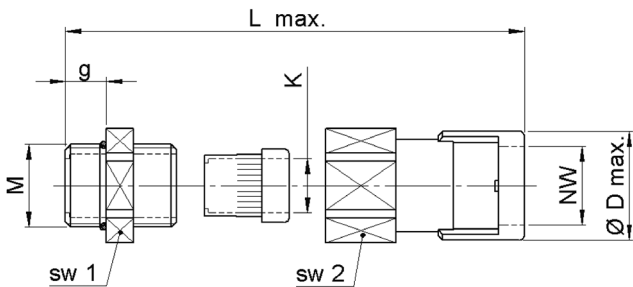
**Environmental properties:**

- 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
System S black	System R black	metric	NW	K	g	L	Ø D max.	SW1	SW2	kg/100 pcs	pcs/PU
NENZ0202S/P1	NENZ0202R/P	M12x1.5	10	4.0 - 6.5	5.0	48.5	23.0	17	21	1.7	10
NENZ0202S/P2		M12x1.5	10	5.0 - 8.0	5.0	48.5	23.0	17	21	1.7	10
NENZ0203S/P1	NENZ0203R/P	M16x1.5	10	4.0 - 6.5	6.0	49.5	23.0	18	21	2.6	10
NENZ0203S/P2		M16x1.5	10	5.0 - 8.0	6.0	49.5	23.0	18	21	2.6	10
NENZ0203S/P3		M16x1.5	10	6.5 - 9.5	6.0	49.5	23.0	18	21	2.6	10
NENZ0304S/P1	NENZ0304R/P	M20x1.5	12	4.0 - 6.5	6.5	54.0	28.5	22	26	3.6	10
NENZ0304S/P3		M20x1.5	12	6.5 - 9.5	6.5	54.0	28.5	22	26	3.6	10
NENZ0304S/P4		M20x1.5	12	7.0 - 10.5	6.5	54.0	28.5	22	26	3.6	10
NENZ0404S/P3	NENZ0404R/P	M20x1.5	17	6.5 - 9.5	6.5	60.0	31.0	22	28	4.3	10
NENZ0404S/P4		M20x1.5	17	7.0 - 10.5	6.5	60.0	31.0	22	28	4.3	10
NENZ0404S/P5		M20x1.5	17	9.0 - 13.0	6.5	60.0	31.0	22	28	4.3	10
NENZ0405S/P5	NENZ0405R/P	M25x1.5	17	9.0 - 13.0	7.5	61.5	31.0	28	28	5.8	10
NENZ0405S/P6		M25x1.5	17	11.5 - 15.5	7.5	61.5	31.0	28	28	5.8	10
NENZ0505S/P6	NENZ0505R/P	M25x1.5	23	11.5 - 15.5	7.5	72.5	39.5	30	36	8.2	10
NENZ0506S/P4	NENZ0506R/P	M32x1.5	23	14.0 - 18.0	8.0	73.0	39.5	35	36	10.9	10
NENZ0606S/P3	NENZ0606R/P	M32x1.5	29	17.0 - 20.5	8.0	73.0	46.5	40	43	14.3	10
NENZ0606S/P4		M32x1.5	29	20.0 - 25.0	8.0	73.0	46.5	40	43	14.3	10
NENZ0607S/P5	NENZ0607R/P	M40x1.5	29	24.0 - 28.0	8.5	73.0	47.0	43	43	16.4	10
NENZ0707S/P1	NENZ0707R/P	M40x1.5	36	20.0 - 25.0	9.0	87.0	60.5	50	55	19.5	10
NENZ0707S/P2		M40x1.5	36	24.0 - 28.0	9.0	87.0	60.5	50	55	19.5	10
NENZ0708S/P3	NENZ0708R/P	M50x1.5	36	32.0 - 36.0	10.0	89.5	60.5	54	55	22.9	10
NENZ0808S/P2	NENZ0808R/P	M50x1.5	48	32.0 - 36.0	10.0	92.0	66.0	57	60	27.9	10
NENZ0808S/P3		M50x1.5	48	36.0 - 40.0	10.0	92.0	66.0	57	60	27.9	10

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



<b>Mechanical Properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Tensile modulus	1100 N/mm <sup>2</sup>		ISO 527
Tensile strength	35 N/mm <sup>2</sup>		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

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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		

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Surface resistivity	< 10 <sup>7</sup> Ω		ASTM D257

#### Content of delivery:

System S:

- Fitting with conduit locking clip (EVN2)
- Ex-System conduit gasket (NEN3)
- O-ring (OR)
- Pflitsch adapter and sealing insert

System R:

- Fitting with conduit locking clip (EVN2)
- Ex-System conduit gasket (NEN3)
- O-ring (OR)
- Without Pflitsch adapter and sealing insert

#### Assembly instructions:

- Please consider the appropriate assembly instructions on [www.pma.ch](http://www.pma.ch)  
O-ring or thread gasket, select the best solution for your application

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