

TECHNICAL DATA SHEET

# PMA Ex system – NENV - Fitting

## Straight, metric thread

**PMA**



IP68, metal 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](http://www.pma.ch) for more technical information and informations on chemical resistance

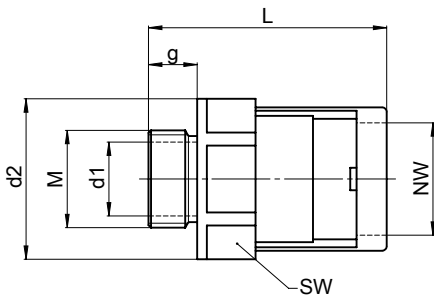
**Environmental properties:**

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.	Thread size	Conduit size	Dimensions in mm (nom.)					Weight	Packing unit
			g	L	d1	d2	SW		
black	metric	NW	g	L	d1	d2	SW	kg/100 pcs	pcs/PU
NENV0202	M12x1.5	10	10.0	40.0	5.5	21.0	19.0	1.4	10
NENV0203	M16x1.5	10	10.0	40.0	9.5	24.0	19.0	1.8	10
NENV0303	M16x1.5	12	10.0	43.0	9.5	26.0	24.0	2.0	10
NENV0304	M20x1.5	12	10.0	43.0	13.5	28.0	24.0	2.5	10
NENV0404	M20x1.5	17	10.0	51.0	13.5	33.0	30.0	3.1	10
NENV0405	M25x1.5	17	11.0	52.0	18.0	35.0	30.0	3.7	10
NENV0505	M25x1.5	23	11.0	54.0	18.5	39.0	36.0	4.2	10
NENV0506	M32x1.5	23	13.0	56.0	24.0	43.0	36.0	5.5	10
NENV0606	M32x1.5	29	13.0	57.3	25.0	50.0	46.0	6.2	10
NENV0607	M40x1.5	29	13.0	57.3	31.5	53.0	46.0	9.2	10
NENV0707	M40x1.5	36	13.0	71.4	32.5	59.0	55.0	10.9	10
NENV0708	M50x1.5	36	14.0	72.4	39.5	65.0	55.0	15.1	10
NENV0808	M50x1.5	48	14.0	72.4	41.5	71.0	65.0	16.9	10
NENV0809	M63x1.5	48	14.0	72.4	51.5	75.0	65.0	16.5	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>Electrical 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:

- Fitting with conduit locking clip (EVN2)
- Ex-System conduit gasket (NEN3)
- Thread gasket (SVN4)
- O-ring (OR)

#### 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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