

TECHNICAL DATA SHEET

# PMAFIX IP68 - NVIZR-P - Fitting

## Straight, PG female thread

**PMA**



IP68, metal thread fitting for flexible non-metallic conduit



**Applications:**

- For cable protection systems in a wide range of applications

**Features & Benefits:**

- Easy installation: simple push fit assembly
- Very high impact resistance
- Vibration-proof connection to PMA conduits
- High conduit pull-out strength
- Can be easily re-opened with a screwdriver
- Very good chemical properties
- Fits both conduit profiles - fine (T) and coarse (G)

**Ingress protection:**

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

**Materials:**

- Fitting body: high-grade, specially formulated polyamide 6
- Thread: nickel-plated brass

**Compatible with:**

- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

**Conforms to:**

- EN 45545-2 HL3 (R22 & R23)
- NFPA 130
- UL 94 (V0)
- UL 1696 (UL file E80294)

**Weathering resistance:**

- Very good UV resistance and weathering characteristics

**Colour:**

- Black

**Chemical properties:**

- Please refer to [www.pma.ch](http://www.pma.ch)  
(Technical Information / Chemical Resistance)

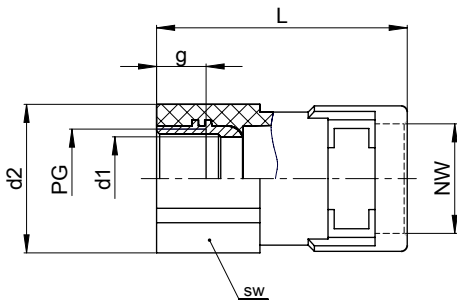
**Environmental properties:**

- 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	PG	NW	g	L	d1	d2	SW	kg/100 pcs	pcs/PU
NVIZR-P07M	7	7	6.0	35.0	8.5	20.5	19.0	1.2	100
NVIZR-P090	9	10	9.0	38.5	11.5	23.0	21.0	1.5	50
NVIZR-P110	11	10	9.0	41.2	11.5	27.0	25.0	1.7	50
NVIZR-P112	11	12	9.0	42.0	13.5	26.5	24.0	1.9	50
NVIZR-P137	13.5	17	8.0	46.5	17.0	31.0	28.0	2.3	50
NVIZR-P167	16	17	9.5	48.0	18.0	30.0	27.0	2.6	50
NVIZR-P213	21	23	10.0	58.0	25.0	39.0	36.0	4.2	30
NVIZR-P299	29	29	12.5	57.0	31.0	46.0	42.0	6.8	20
NVIZR-P366	36	36	13.0	76.0	39.0	60.0	55.0	12.5	20
NVIZR-P488	48	48	14.0	75.0	50.5	76.0	55.0	12.5	20

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	1'200 ... 3'700 N/mm <sup>2</sup>		ISO 527
Tensile strength	45 ... 65 N/mm <sup>2</sup>		ISO 527
Notched bar impact test	4 ... 20 kJ/m <sup>2</sup>		ISO 180/1C
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Vibration and shock standard	Cat. 2		IEC 61373, IEC 60068-2-27 / -64

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Continuous application temperature	-50 ... +105°C		PMA DO 9.21-4510
Upper application temperature	+120°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Fire performance	non flame-propagating		IEC EN 61386-1
Flame class	V0		UL 94
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Fire hazard level	HL3		EN 45545-2 (R22)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 150 Ds max.		EN ISO 5659-2 (25 kW/m <sup>2</sup> )
Toxicity	< 0.75 CIT <sub>NLP</sub>		NF X 70-100-1/-2: (600°C)
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Fire hazard level	HL3		EN 45545-2 (R23)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 300 Ds max.		EN ISO 5659-2 (25 kW/m <sup>2</sup> )
Toxicity	< 1.5 CIT <sub>NLP</sub>		NF X 70-100-1/-2: (600°C)
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Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
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Heat and visible smoke	26.00 MJ/kg		ASTM E 1354
Smoke emission toxicity	compliant		Bombardier SMP 800-C
Smoke emission toxicity	compliant		Boeing BSS 7241

#### Content of delivery:

- Fitting with conduit locking clip (OVN2)
- Conduit gasket (NVN3)

#### Assembly instructions:

- Commercial sealing/adhesive pastes or liquids can be used for thread sealing.
- Please consider the appropriate assembly instructions on [www.pma.ch](http://www.pma.ch)

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