TECHNICAL DATA SHEET

PMAFIX IP68 - NVNV-P - Fitting

Straight, PG thread

IP68, metal thread fitting for flexible non-metallic conduit

Applications:
- For applications with high technical requirements

Features & Benefits:
- Very high impact resistance
- High thread and system connection strength
- Vibration-proof connection to PMA conduits
- Easy installation
- High conduit pull-out strength
- 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)
- CSA C22.2 No. 227.3-05 (CSA file LL 88703)

Weathering resistance:
- Very good UV resistance and weathering characteristics, particularly in black

Colour:
- Black
- Grey

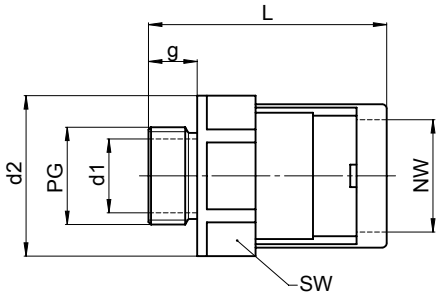
Chemical properties:
- Please refer to www.pma.ch
  (Technical Information / Chemical Resistance)

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
black	grey	PG	NW	g	L	d1	d2	SW	kg/100 pcs	pcs/PU
NVNV-P090	MVNV-P090	9	10	12.0	42.0	9.6	21.0	19	1.6	50
NVNV-P112	MVNV-P112	11	12	12.0	45.0	12.5	26.0	24	2.3	50
NVNV-P137	MVNV-P137	13.5	17	13.0	54.0	14.5	33.0	30	3.4	50
NVNV-P167	MVNV-P167	16	17	13.0	54.0	16.5	33.0	30	3.5	50
NVNV-P213	MVNV-P213	21	23	14.0	57.0	22.0	39.0	36	4.6	30
NVNV-P293	MVNV-P293	29	23	14.0	62.5	26.5	43.0	36	5.8	30
NVNV-P299	MVNV-P299	29	29	14.0	58.5	30.0	50.0	46	6.5	20
NVNV-P366	MVNV-P366	36	36	17.0	75.5	40.0	59.0	55	12.0	20
NVNV-P488	MVNV-P488	48	48	17.0	75.5	50.0	71.0	66	16.0	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	1‘200 ... 3‘700 N/mm²		ISO 527
Tensile strength	45 ... 65 N/mm²		ISO 527
Notched bar impact test	4 ... 20 kJ/m²		ISO 180/1C
Vibration and shock standard	Cat. 2		IEC 61373, IEC 60068-2-27 / -64

Thermal properties:	Value:	Test parameters:	Test method:
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

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	non flame-propagating		IEC EN 61386-1
Flame class	V0		UL 94
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/m2)
Toxicity	< 0.75 CIT_{NLP}		NF X 70-100-1/-2: (600°C)
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/m2)
Toxicity	< 1.5 CIT_{NLP}		NF X 70-100-1/-2: (600°C)
Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
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 7239

Content of delivery:

- Fitting with conduit locking clip (OVN2)
- Conduit gasket (NVN3)
- Thread gasket (SVN4)

Assembly instructions:

- Please consider the appropriate assembly instructions on www.pma.ch

ABB Switzerland Ltd,
PMA Cable Protection
Aathalstrasse 90
8610 Uster, Switzerland
Phone: +41 58 585 00 11
pma-info@ch.abb.com
www.pma.ch

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