TECHNICAL DATA SHEET

PMAFIX IP66 - BVND-N - Fitting

Straight, NPT thread

One-piece, polyamide 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 (EN/IEC 60529)

Materials:
- High-grade, specially formulated polyamide 6

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

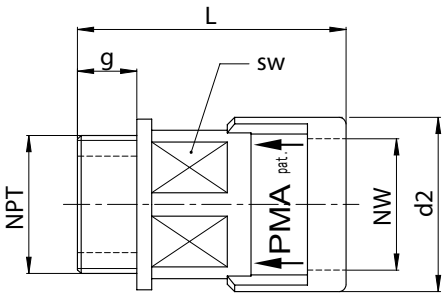
Chemical properties:
- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

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	NPT	NW	g	L	d2	SW	kg/100 pcs	pcs/PU
BVND-N022GT	SVND-N022GT	1/2"	12	13.0	41.5	26.0	20	0.8	100
BVND-N027GT	SVND-N027GT	1/2"	17	13.0	49.5	29.5	26	1.2	100
BVND-N043GT	SVND-N043GT	3/4"	23	14.0	54.0	37.0	32	1.8	30
BVND-N069GT	SVND-N069GT	1"	29	15.0	56.0	44.0	40	2.4	20
BVND-N076GT	SVND-N076GT	1 1/4"	36	18.0	71.0	55.0	50	4.6	20
BVND-N088GT	SVND-N088GT	1 1/2"	48	18.0	71.5	69.0	65	6.9	10
BVND-N098GT	SVND-N098GT	2"	48	18.0	71.5	69.0	65	8.1	10
BVND-N0201GT	SVND-N0201GT	1/2"	1	13.0	48.5	28.0	25	1.3	100
BVND-N0202GT	SVND-N0202GT	1/2"	2	13.0	49.0	30.0	27	1.3	100

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 7241

Content of delivery:

- Fitting with premounted conduit locking clip (AFN2)

Assembly instructions:

- Push-in with a slight twist and pull back slightly to ensure the conduit clicks into place
- Please consider the appropriate assembly instructions on www.pma.ch

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