TECHNICAL DATA SHEET

PMAFIX IP66 - BVND-M - Fitting

Straight, metric short-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

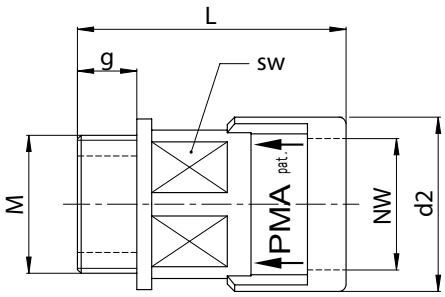
Chemical properties:
- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

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	metric	NW	g	L	d2	SW	kg/100 pcs	pcs/PU
BVND-M200GT-8	SVND-M200GT-8	M20x1.5	10	8.0	33.5	26.0	17.0	0.6	100
BVND-M202GT-8	SVND-M202GT-8	M20x1.5	12	8.0	36.5	26.0	20.0	0.6	100
BVND-M207GT-8	SVND-M207GT-8	M20x1.5	17	8.0	44.5	29.5	26.0	1.0	100
BVND-M257GT-8	SVND-M257GT-8	M25x1.5	17	8.0	44.5	32.0	26.0	1.5	100
BVND-M323GT-10	SVND-M323GT-10	M32x1.5	23	10.0	50.5	43.0	32.0	1.8	50
BVND-M329GT-10	SVND-M329GT-10	M32x1.5	29	10.0	51.0	44.0	40.0	2.0	30
BVND-M409GT-10	SVND-M409GT-10	M40x1.5	29	10.0	51.0	49.0	40.0	2.7	30
BVND-M406GT-10	SVND-M406GT-10	M40x1.5	36	10.0	63.0	55.0	50.0	4.1	20
BVND-M506GT-10	SVND-M506GT-10	M50x1.5	36	10.0	63.0	59.0	50.0	4.3	20
BVND-M638GT-10	SVND-M638GT-10	M63x1.5	48	10.0	63.0	75.0	64.0	7.0	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 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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