

TECHNICAL DATA SHEET

PMAFIX IP68 - BVIR-M - Fitting

Straight, metric female thread

PMA



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

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)

Weathering resistance:

- Very good UV resistance and weathering characteristics

Colour:

- Black

Chemical properties:

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

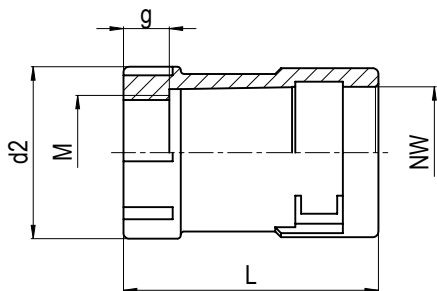
Environmental properties:

- 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	metric	NW	g	L	d2	kg/100 pcs	pcs/PU
BVIR-M160	M16 x 1.5	10	8.0	33.5	21.5	0.6	50
BVIR-M162	M16 x 1.5	12	8.0	36.5	23.5	0.8	50
BVIR-M202	M20 x 1.5	12	8.0	36.5	30.0	1.1	50
BVIR-M207	M20 x 1.5	17	8.0	44.5	30.0	1.3	50
BVIR-M253	M25 x 1.5	23	8.0	48.5	37.0	1.8	30
BVIR-M257	M25 x 1.5	17	8.0	44.5	32.0	1.4	50
BVIR-M329	M32 x 1.5	29	10.0	51.5	44.0	2.8	20
BVIR-M406	M40 x 1.5	36	10.0	65.5	53.5	4.9	20
BVIR-M508	M50 x 1.5	48	10.0	65.5	66.0	6.5	10
BVIR-M638	M63 x 1.5	48	10.0	65.5	72.0	6.9	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/mm ²		ISO 527
Tensile strength	45 ... 65 N/mm ²		ISO 527
Notched bar impact test	4 ... 20 kJ/m ²		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/m ²)
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/m ²)
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 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

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