TECHNICAL DATA SHEET

PMAFIX IP68 - BVNV-G - Fitting

Straight, Gas thread

IP68, polyamide fitting for flexible non-metallic conduit

Applications:
- For cable protection systems in a wide range of applications

Features & Benefits:
- Very high impact resistance
- 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:
- 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 (R23 & 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

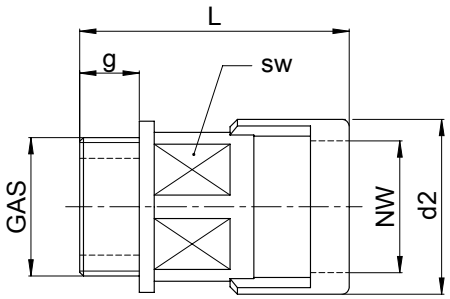
Chemical properties:
- Please refer to www.pma.ch
  (Technical Information / Chemical Resistance)

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	Gas	NW	g	L	d2	SW	kg/100 pcs	pcs/PU
BVNV-G00M	SVNV-G00M	1/4 "	7	11.0	14.0	20.0	14	0.3	100
BVNV-G000	SVNV-G000	1/4 "	10	11.0	17.0	20.0	17	0.5	50
BVNV-G010	SVNV-G010	3/8 "	10	11.0	17.0	23.0	17	0.6	50
BVNV-G012	SVNV-G012	3/8 "	12	11.0	20.0	23.5	20	0.7	50
BVNV-G022	SVNV-G022	1/2 "	12	13.0	20.0	26.0	20	0.8	50
BVNV-G027	SVNV-G027	1/2 "	17	13.0	26.0	29.5	26	1.3	50
BVNV-G043	SVNV-G043	3/4 "	23	14.0	32.0	37.0	32	2.0	30
BVNV-G069	SVNV-G069	1 "	29	15.0	40.0	44.0	40	2.7	20
BVNV-G076	SVNV-G076	1 1/4 "	36	18.0	50.0	55.0	50	3.8	20
BVNV-G088	SVNV-G088	1 1/2 "	48	18.0	65.0	69.0	65	7.0	10
BVNV-G098	SVNV-G098	2 "	48	18.0	65.0	69.0	65	7.1	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

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