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 TECHNICAL DATA SHEET

# PMAFIX IP66 - BVND-P - Fitting

## Straight, PG thread

# PMA



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](http://www.pma.ch) (Technical Information / Chemical Resistance)

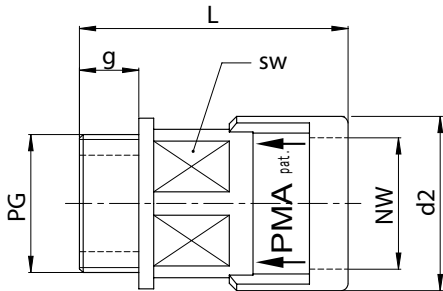
### Environmental properties:

- 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	d2	SW	kg/100 pcs	pcs/PU
BVND-P07MGT-11	SVND-P07MGT-11	7	7	11.0	34.5	16.5	14	0.4	100
BVND-P070GT-11	SVND-P070GT-11	7	10	11.0	36.5	20.0	17	0.5	100
BVND-P072GT-11	SVND-P072GT-11	7	12	11.0	39.0	23.5	20	0.7	100
BVND-P09MGT-11	SVND-P09MGT-11	9	7	11.0	34.5	20.0	14	0.4	100
BVND-P090GT-11	SVND-P090GT-11	9	10	11.0	36.5	20.0	17	0.5	100
BVND-P092GT-11	SVND-P092GT-11	9	12	11.0	39.0	23.5	20	0.6	100
BVND-P097GT-11	SVND-P097GT-11	9	17	11.0	47.5	29.5	26	1.2	100
BVND-P11MGT-11	SVND-P11MGT-11	11	7	11.0	34.5	23.0	14	0.5	100
BVND-P110GT-11	SVND-P110GT-11	11	10	11.0	36.5	23.0	17	0.5	100
BVND-P112GT-11	SVND-P112GT-11	11	12	11.0	39.0	23.5	20	0.7	100
BVND-P117GT-11	SVND-P117GT-11	11	17	11.0	47.5	29.5	26	1.2	100
BVND-P13MGT-11	SVND-P13MGT-11	13.5	7	11.0	34.5	26.0	14	0.5	100
BVND-P130GT-11	SVND-P130GT-11	13.5	10	11.0	36.5	26.0	17	0.6	100
BVND-P132GT-11	SVND-P132GT-11	13.5	12	11.0	39.0	26.0	20	0.7	100
BVND-P137GT-11	SVND-P137GT-11	13.5	17	11.0	47.5	29.5	26	1.1	100
BVND-P160GT-11	SVND-P160GT-11	16	10	11.0	36.5	29.5	17	0.7	100
BVND-P162GT-11	SVND-P162GT-11	16	12	11.0	39.0	27.5	20	0.9	100
BVND-P163GT-11	SVND-P163GT-11	16	23	11.0	51.0	37.0	32	1.5	50
BVND-P167GT-11	SVND-P167GT-11	16	17	11.0	47.5	29.5	26	1.0	100
BVND-P213GT	SVND-P213GT	21	23	12.0	52.0	37.0	32	1.7	50
BVND-P296GT	SVND-P296GT	29	36	12.0	67.5	54.0	50	4.0	20
BVND-P299GT	SVND-P299GT	29	29	12.0	53.0	44.0	40	2.2	30
BVND-P366GT	SVND-P366GT	36	36	13.0	66.0	55.0	50	4.0	20
BVND-P368GT	SVND-P368GT	36	48	13.0	68.5	69.0	65	6.5	10
BVND-P428GT	SVND-P428GT	42	48	13.0	68.5	69.0	65	5.8	10
BVND-P488GT	SVND-P488GT	48	48	13.0	66.5	69.0	65	6.2	10

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



<b>Mechanical Properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Tensile modulus	1'200 ... 3'700 N/mm <sup>2</sup>		ISO 527
Tensile strength	45 ... 65 N/mm <sup>2</sup>		ISO 527
Notched bar impact test	4 ... 20 kJ/m <sup>2</sup>		ISO 180/1C
Vibration and shock standard	Cat. 2		IEC 61373, IEC 60068-2-27 / -64

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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 <sup>2</sup> )
Toxicity	< 0.75 CIT <sub>NLP</sub>		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 <sup>2</sup> )
Toxicity	< 1.5 CIT <sub>NLP</sub>		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](http://www.pma.ch)

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