

TECHNICAL DATA SHEET

# PMAFIX IP66 - BAVD - Conduit Adapter

## Conduit enlarger

**PMA**



One-piece, polyamide conduit enlarger for flexible non-metallic conduit



### Applications:

- In connection with PMA conduit / fitting system

### Features & Benefits:

- Very high impact resistance
- Allows variable application of the PMAFIX system
- Particularly of PMA distribution pieces
- Easy installation: simply push the conduit in
- Can be easily re-opened with a screwdriver
- High conduit pull-out strength
- 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
- PMAFIX Fitting series
- PMA Smartline series

### 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, particularly in black

### Colour:

- Black
- Grey

### Chemical properties:

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

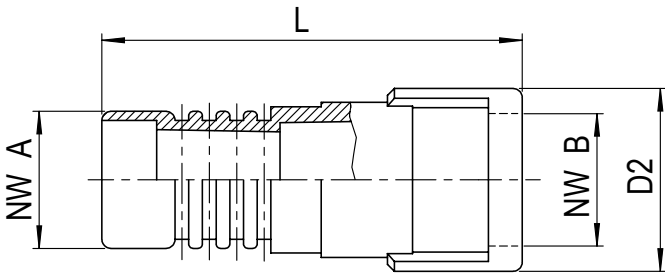
### Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.		Fits to conduit size		Dimensions in mm (nom.)		Weight	Packing unit
black	grey	NW (A)	NW (B)	L	d2	kg/100 pcs	pcs/PU
BAVD-12/10GT	SAVD-12/10GT	12	10	46.0	20.0	0.5	50
BAVD-17/10GT	SAVD-17/10GT	17	10	53.0	20.0	0.8	50
BAVD-17/12GT	SAVD-17/12GT	17	12	54.0	23.5	0.9	50
BAVD-23/10GT	SAVD-23/10GT	23	10	54.0	20.0	1.2	30
BAVD-23/12GT	SAVD-23/12GT	23	12	53.0	23.5	1.3	30
BAVD-23/17GT	SAVD-23/17GT	23	17	62.0	29.5	1.6	30
BAVD-29/10GT	SAVD-29/10GT	29	10	56.5	20.0	1.4	30
BAVD-29/12GT	SAVD-29/12GT	29	12	55.0	23.5	1.5	30
BAVD-29/17GT	SAVD-29/17GT	29	17	61.0	29.5	2.1	30
BAVD-29/23GT	SAVD-29/23GT	29	23	64.0	37.0	2.1	30
BAVD-36/29GT	SAVD-36/29GT	36	29	81.0	44.0	4.0	20
BAVD-48/36GT	SAVD-48/36GT	48	36	88.5	53.5	6.2	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 <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

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 <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:

- Conduit adapter with premounted conduit locking clip (AFN2)

#### Assembly instructions:

- Push-in conduit with a slight twist and pull back slightly to ensure the locking clip clicks into place

Please consider the appropriate assembly instructions on [www.pma.ch](http://www.pma.ch)

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