
 TECHNICAL DATA SHEET

PMAFIX IP68 - BAVR - Conduit Adapter

Conduit enlarger



IP68, polyamide conduit enlarger for flexible non-metallic conduit



Applications:

- In connection with PMA conduit / fitting system

Features & Benefits:

- Very high impact resistance
- Allows conduit size reduction for PMA Fittings particularly distribution pieces
- 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
- 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
- (Technical Information / Chemical Resistance)

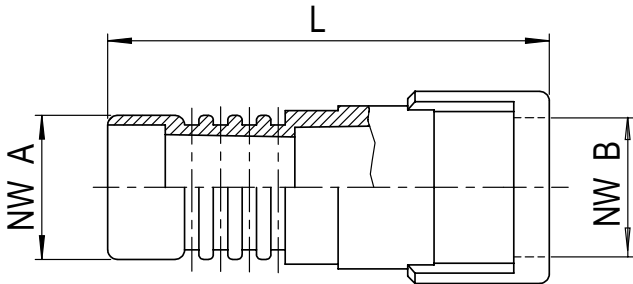
Environmental properties:

- 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	kg/100 pcs	pcs/PU
BAVR-10/07	SAVR-10/07	10	7	43.0	0.4	50
BAVR-12/10	SAVR-12/10	12	10	46.0	0.5	50
BAVR-17/10	SAVR-17/10	17	10	53.0	0.8	50
BAVR-17/12	SAVR-17/12	17	12	54.0	0.9	50
BAVR-23/10	SAVR-23/10	23	10	54.0	1.2	30
BAVR-23/12	SAVR-23/12	23	12	53.0	1.3	30
BAVR-23/17	SAVR-23/17	23	17	62.0	1.8	30
BAVR-29/10	SAVR-29/10	29	10	56.5	1.5	20
BAVR-29/12	SAVR-29/12	29	12	55.0	1.5	20
BAVR-29/17	SAVR-29/17	29	17	61.0	1.9	20
BAVR-29/23	SAVR-29/23	29	23	64.0	2.1	20
BAVR-36/29	SAVR-36/29	36	29	81.0	3.9	20
BAVR-48/29	SAVR-48/29	48	29	85.0	5.5	10
BAVR-48/36	SAVR-48/36	48	36	88.5	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 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:

- Conduit adapter with conduit locking clip (OVN2)
- Conduit gasket (NVN3)

Assembly instructions:

- Please consider the appropriate assembly instructions on www.pma.ch

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