
 TECHNICAL DATA SHEET

PMAFIX IP66 - BAVD - Conduit Adapter

Conduit enlarger




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 (Technical Information / Chemical Resistance)

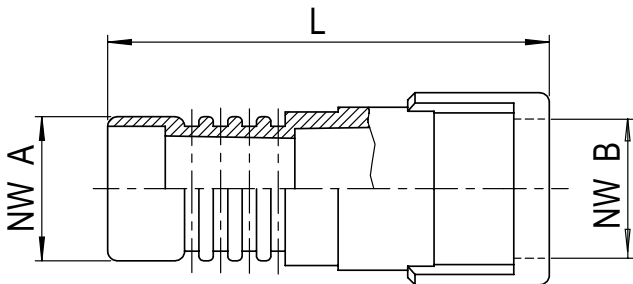
Environmental properties:

- 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
BAVD-12/10GT	SAVD-12/10GT	12	10	46.0	0.5	50
BAVD-17/10GT	SAVD-17/10GT	17	10	53.0	0.8	50
BAVD-17/12GT	SAVD-17/12GT	17	12	54.0	0.9	50
BAVD-23/10GT	SAVD-23/10GT	23	10	54.0	1.2	30
BAVD-23/12GT	SAVD-23/12GT	23	12	53.0	1.3	30
BAVD-23/17GT	SAVD-23/17GT	23	17	62.0	1.6	30
BAVD-29/10GT	SAVD-29/10GT	29	10	56.5	1.4	30
BAVD-29/12GT	SAVD-29/12GT	29	12	55.0	1.5	30
BAVD-29/17GT	SAVD-29/17GT	29	17	61.0	2.1	30
BAVD-29/23GT	SAVD-29/23GT	29	23	64.0	2.1	30
BAVD-36/29GT	SAVD-36/29GT	36	29	81.0	4.0	20
BAVD-48/36GT	SAVD-48/36GT	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
<hr/>			
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
<hr/>			
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)
<hr/>			
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)
<hr/>			
Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
<hr/>			
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

ABB Switzerland Ltd,
PMA Cable Protection
Aathalstrasse 90
8610 Uster, Switzerland
Phone: +41 58 585 00 11
pma-info@ch.abb.com
www.pma.ch

Let's write the future.
Together. **abb.com**

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Installation Products Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. Copyright© 2019 ABB Installation Products Inc. All rights reserved

