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 TECHNICAL DATA SHEET

## PMAFIX IP66 - BVIDB-U - Fitting

Straight, for Souriau connector with UNEF female 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
- Souriau connector series: UTG-6 / ITT Cannon Trident

#### Conforms to:

- EN 45545-2 HL3 (R22 & R23)
- NFPA 130
- UL 94 (V0)

#### Weathering resistance:

- Very good UV resistance and weathering characteristics

#### Colour:

- Black

#### Chemical properties:

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

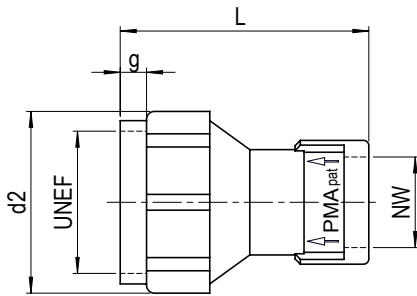
#### Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.	Thread size	Conduit size	Dimensions in mm (nom.)			Weight	Packing unit
			g	L	d2		
black	UN	NW	g	L	d2	kg/100 pcs	pcs/PU
BVIDB-U162GT	1 1/16"-24 UNEF	12	4.0	43.5	24.0	0.7	50
BVIDB-U202GT	1 3/16"-20 UNEF	12	4.5	44.0	26.5	1.1	50
BVIDB-U232GT	1 5/16"-20 UNEF	12	4.5	49.0	31.0	1.1	50
BVIDB-U237GT	1 5/16"-20 UNEF	17	4.5	52.0	31.0	1.2	50
BVIDB-U267GT	1 1/16"-18 UNEF	17	4.5	52.0	35.0	1.3	50
BVIDB-U297GT	1 3/16"-18 UNEF	17	6.5	55.5	38.0	1.4	50
BVIDB-U293GT	1 3/16"-18 UNEF	23	6.5	52.0	38.0	1.8	30
BVIDB-U323GT	1 5/16"-18 UNEF	23	6.5	52.0	40.0	1.7	30
BVIDB-U357GT	1 7/16"-18 UNEF	17	6.5	58.5	44.0	1.8	50
BVIDB-U353GT	1 7/16"-18 UNEF	23	6.5	54.0	44.0	2.1	30
BVIDB-U359GT	1 7/16"-18 UNEF	29	6.5	50.5	44.0	2.2	20

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 clip

#### 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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