

TECHNICAL DATA SHEET

## PMAFIX IP66 - BVIDG-U - Fitting

Straight, for MIL-C5015 connector with UN 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
- MIL connector series C5015

### 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

### Colour:

- Black

### Chemical properties:

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

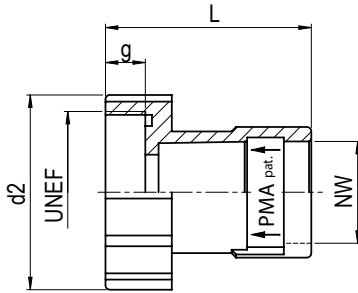
### Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.	Thread size	Conduit size	Connector size	Dimensions in mm (nom.)			Weight	Packing unit
				g	L	d2		
black	UN	NW	MIL	g	L	d2	kg/100 pcs	pcs/PU
BVIDG-U212GT	7/8"-20UNEF	12	16	9.0	38.5	29.0	0.9	50
BVIDG-U217GT	7/8"-20UNEF	17	16	9.0	46.5	30.5	1.0	50
BVIDG-U242GT	1"-20UNEF	12	18	9.0	40.5	32.0	1.0	50
BVIDG-U247GT	1"-20UNEF	17	18	9.0	47.5	32.0	1.3	50
BVIDG-U297GT	1 3/16"-18UNEF	17	20	9.0	47.5	35.0	1.3	50
BVIDG-U293GT	1 3/16"-18UNEF	23	20	9.0	55.0	38.0	2.1	30
BVIDG-U357GT	1 7/16"-18UNEF	17	24	9.0	46.5	44.0	1.9	50
BVIDG-U353GT	1 7/16"-18UNEF	23	24	9.0	52.0	44.0	2.0	30
BVIDG-U359GT	1 7/16"-18UNEF	29	24	9.0	52.0	44.0	2.6	20
BVIDG-U433GT	1 3/4"-18UNS	23	32	10.0	52.0	53.0	2.6	30
BVIDG-U439GT	1 3/4"-18UNS	29	32	10.0	51.5	53.0	2.9	20
BVIDG-U436GT	1 3/4"-18UNS	36	32	10.0	62.5	53.0	3.5	20
BVIDG-U509GT	2"-18UNS	29	36	10.0	55.0	58.0	3.8	20
BVIDG-U506GT	2"-18UNS	36	36	10.0	62.5	58.0	3.7	20
BVIDG-U569GT	2 1/4"-16UN	29	40	10.0	51.0	64.0	3.0	20
BVIDG-U566GT	2 1/4"-16UN	36	40	10.0	62.0	64.0	3.9	20

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:

- Fitting with premounted clip,
- O-ring

#### 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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