**PMA PMAFIX®** Fittings

# **PMAFIX®** IP66, IP68, IP68GT

## PMAFIX® connectors

The designation PMAFIX® describes a very large range of connectors for PMA® conduits with the patented PMA® safety clip system. Connectors are available for ingress protection IP66 and IP68. IP66 connectors are fitted with a pre-installed universal safety clip, which ensures a quick "push-in" installation. IP68 connectors for increased requirements will be delivered with a special conduit seal cap. The new PMAFIX® IP68GT fittings combine simplest push-in assembly with highest sealing performance.

#### General technical details

#### Material

- Fittings made from specially formulated polyamide 6
- Threads made from nickel-plated brass or polyamide 6
- Self-extinguishing
- Free from halogens, REACH + ROHS compliant
- Very good chemical properties
- Temperature range: -40 °C to +105 °C, short-term to +160 °C

#### Characteristics

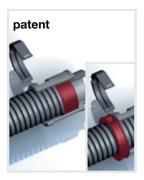
- Excellent conduit pull-out strength
- · High impact resistance
- Vibration-proof connection to PMA® corrugated conduits
- Fits conduit profiles fine (T) and coarse (G)
- To avoid accidental opening, disassembling only possible with a screwdriver



IP66

IP66 static IP54 dynamic

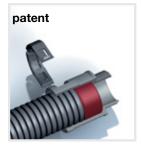
- One-piece fitting
- Conical sealing method
- Easy push-in installation
- Pre-installed safety clip AFN2
- Content of delivery: Connector with pre-installed safety clip



**IP68** 

IP68 static IP67 dynamic IP69K according to DIN 40050

- High sealing through additional seal cap
- For highest dynamic applications
- Additional water protection ring WPS for IP69K ingress protection in conjunction with the IP68 system fitted against the IP68 connector onto the conduit
- Content of delivery: Connector with sealing cap, safety clip and thread seal for male thread (0-ring and/or flat gasket)



IP68GT

IP68 static IP67 dynamic IP69K according to DIN 40050

- Single-piece PMAFIX® IP68GT fitting with integrated sealing cap and pre-installed locking clip
- Simple push-in assembly (as with the proven PMAFIX® IP66 system)
- Extra-long sealing cap guarantees the highest level of ingress protection
- Identical approvals as for the PMAFIX® IP68 system component version
- Fast modification of specification drawings through simple addition of 'GT' to the existing order number (e.g., BVNV-M257 and BVNV-M257GT)
- Additional water protection ring WPS for IP69K ingress protection in conjunction with the IP68 system fitted against the IP68 connector onto the conduit
- Content of delivery: Connector with integrated sealing cap, pre-installed safety clip and thread seal for male thread (0-ring and/or flat gasket)





PMAFIX® Fittings PMAF

### **Connector Part Number Codes**

## **Connector series** B V N D - M25 3 GT / 01 **Modification code** Series N Safety retaining clip type GT = Universal safety clip = Oval clip PMA® Conduit code (Table 1) Series W Thread code (Table 2) → Thread Series M = Metric thread F = Metric fine thread N = NPT threadSeries B U = UN thread for round connector P = PG thread (being phased out) Mode of ingress protection: D = Self-sealing IP66 Series A L = With seal cap IP67 on conduit side R = With seal cap IP68 on conduit side V = With gasket reinforced IP68 Z = Addition of strain relief feature ▶ PMAFIX® series: Series 0 N = Straight $W = 90^{\circ} \text{ elbow}$ $B = 90^{\circ}$ curved elbow $A = 45^{\circ} \text{ elbow}$ $0 = 90^{\circ}$ elbow with flange I = Female thread Series I Y = Y piece T = T piece ▶ PMAFIX® type: V = Reinforced S = Series V with swiveling coupler **Series Y** E = Ex certified (see PMA Ex-System catalog) Color: → B = Black S = GrevT = Transparent N = Black with metal thread Series T M = Grey with metal thread X = Special color



800.816.7809 Fax: 901.252.1354

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# Size codes

#### Table 1

Conduit codes	Conduit codes				
Nominal width	Metric size	PMA code			
07	10	M			
10	12	0			
12	16	2			
17	20	7			
23	25	3			
29	32	9			
36	40	6			
48	50	8			

Additional code for female thread connectors				
Туре	PMA code			
AMP	A			
Souriau (ex Burndy) UTG 6	В			
With 0-ring groove (MIL C 5015)	G			
Souriau (ex Burndy) UTO/UTS	S			

#### Table 2

Thread metric	PMA code	Thread NPT	PMA code	Thread UN (Female)	PMA code
M12x1.5	M12				
M16x1.5	M16	N ½"	N02	½-28 UNEF	U12
M20x1.5	M20	N 3/4"	N04	% <sub>16</sub> -24 UNEF	U13
		N 1"	N06	5/ <sub>8</sub> −24 UNEF	U15
M25x1.5	M25	N 11/4"	N07	<sup>1</sup> / <sub>16</sub> –24 UNEF	U16
M32x1.5	M32	N 1½"	N08	3/4-20 UNEF	U18
M40x1.5	M40	N 2"	N09	<sup>13</sup> / <sub>16</sub> –20 UNEF	U20
M50x1.5	M50			7/ <sub>8</sub> −20 UNEF	U21
M63x1.5 <b>M63</b>	M63			<sup>15</sup> / <sub>16</sub> –20 UNEF	U23
				1-20 UNEF	U24
				1½ <sub>16</sub> –18 UNEF	U26
M 8x1.0	F08			13/ <sub>16</sub> -18 UNEF	U29
M12x1.0	F12			11/4 –18 UNEF	U30
M18x1.0 <b>F18</b>	F18			15/16-18 UNEF	U32
				1%-18 UNEF	U34
				17/ <sub>16</sub> -18 UNEF	U35
				1%-18 UNEF	U40
				1¾ -18 UNS	U43
				2-18 UNS	U50
				2¼-16 UN	U56
				2%-12 UN	U57
				2½-12 UN	U62

**United States** 

Tel: 901.252.8000

Fax: 901.252.1354

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