TECHNICAL DATA SHEET

PMAFIX IP67 - TFIL-F - Fitting

Straight, fine metric female thread

IP67, 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:
- IP67 stat. / IP65 dyn.

Materials:
- High-grade, specially formulated polyamide 6

Compatible with:
- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

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

Colour:
- Transparent

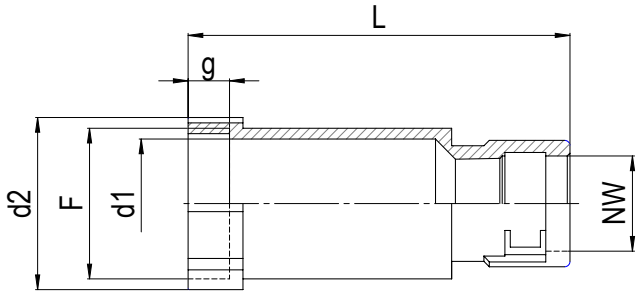
Chemical properties:
- Please refer to www.pma.ch
  (Technical Information / Chemical Resistance)

Environmental properties:
- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.	Thread size	Conduit size	Dimensions in mm (nom.)				Weight	Packing unit
transparent	metric	NW	g	L	d1	d2	kg/100 pcs	pcs/PU
TFIL-F08M	M8 x 1.0	7	6.5	29.5	7.0	18.0	0.4	100
TFIL-F12M	M12 x 1.0	7	6.0	56.0	11.0	17.0	0.6	100
TFIL-F18M	M18 x 1.0	7	6.0	56.5	17.0	23.5	0.7	100
TFIL-F30M	M30 x 1.5	7	6.0	56.5	28.5	36.0	1.2	100
TFIL-F120	M12 x 1.0	10	6.0	57.0	11.0	20.0	0.6	50
TFIL-F180	M18 x 1.0	10	6.0	57.0	17.0	23.5	0.7	50
TFIL-F300	M30 x 1.5	10	6.0	57.0	28.5	36.0	1.3	50

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/mm²		ISO 527
Tensile strength	45 ... 65 N/mm²		ISO 527
Notched bar impact test	4 ... 20 kJ/m²		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/m2)
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/m2)
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:

- Fitting with conduit locking clip (OVN2)
- Conduit gasket (NFN3)

Assembly instructions:

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

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