
 TECHNICAL DATA SHEET

PMACLIP - BFH-R - System support

One-piece, with safety lid

PMA



One-piece, light weight system support with fire safety approvals

CE UK
CA

Applications:

- High Speed and Regional Trains:
 - static & dynamic indoor applications
 -
- Light rails, Trams, metros and monorails
 - static & dynamic indoor applications
 - static outdoor applications

Features & Benefits:

- One-piece construction
- Very high impact resistance
- Optimal axial strain relief due to integrated rib
- Suitable for overhead installations due to safety lid
- High retention forces
- Quick mounting due to single hole fixing
- Very good chemical properties
- Fits both conduit profiles - fine (T) and coarse (G)
- Fits to PMACLIP - BFHS - Rail for system support

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 HL2 (R22 & R23)
- NFPA 130

Weathering resistance:

- Very good UV resistance and weathering characteristics

Colour:

- Black

Chemical properties:

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

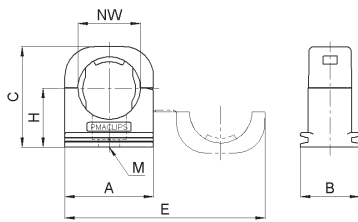
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.	Conduit size	Dimensions in mm (nom.)						Weight	Packing unit
		H	E	A	B	C	M		
black	NW							kg/100 pcs	pcs/PU
BFH-07-R	7	13.5	40.5	17.0	20.0	21.5	M4	0.3	100
BFH-10-R	10	15.5	47.5	20.5	20.0	24.5	M5	0.3	100
BFH-12-R	12	16.5	54.5	24.0	20.0	27.0	M5	0.4	100
BFH-17-R	17	20.0	68.0	30.0	20.0	34.0	M6	0.6	100
BFH-23-R	23	24.0	85.0	38.5	20.0	42.0	M6	0.9	100
BFH-29-R	29	27.0	99.0	45.5	20.0	48.0	M6	1.1	100
BFH-36-R	36	31.0	119.0	55.5	20.0	56.0	M6	1.5	50
BFH-48-R	48	37.0	143.0	67.5	20.0	68.0	M6	1.9	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	1'300 ... 3'400 N/mm ²		ISO 527
Tensile strength	45 ... 75 N/mm ²		ISO 527
Notched bar impact test	5 ... 11 kJ/m ²		ISO 179-1/1eA

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 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)

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)

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 7239

Content of delivery:

- System support

Assembly instructions:

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

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