TECHNICAL DATA SHEET

PMAFIX IP68 - BVYR - Y-Junction

IP68, polyamide Y-junction for flexible non-metallic conduit

Applications:
- For cable protection systems in a wide range of applications

Features & Benefits:
- Very high impact resistance
- Vibration-proof connection to PMAFLEX Conduitss
- Easy installation
- 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, IP68 & IP69 (EN/IEC 60529)
  IP69, 100 bar with Water impact protection (WPS-ring)

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)
- UL 1696 (UL file E80294)
- CSA C22.2 No. 227.3-05 (CSA file LL 88703)

Weathering resistance:
- Very good UV resistance and weathering characteristics, particularly in black

Colour:
- Black
- Grey

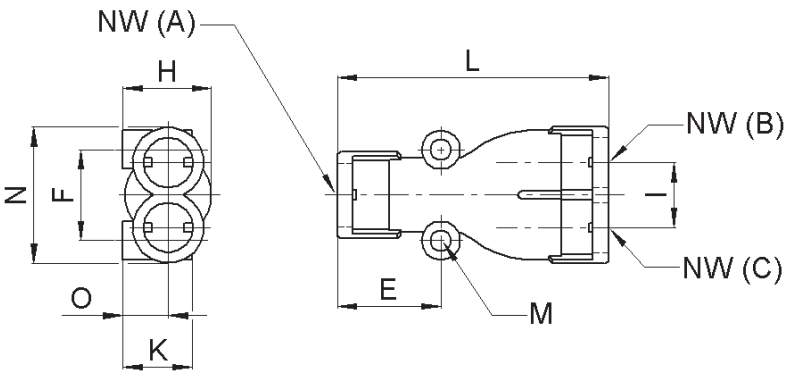
Chemical properties:
- Please refer to www.pma.ch
  (Technical Information / Chemical Resistance)

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

Product selection:

Part no.		Conduit size			Dimensions in mm (nom.)										Weight	Packing unit
black	grey	NW (A)	NW (B)	NW (C)	L	H	E	A	F	I	K	M	N	O	kg/100 pcs	pcs/PU
BVYR-100707	SVYR-100707	10	7	7	63.0	21.0	21.0	24.0	21.0	15.0	16.0	2xM4	32.0	11.0	1.2	20
BVYR-121010	SVYR-121010	12	10	10	69.0	24.0	24.0	27.0	24.0	19.0	18.0	2xM4	39.0	12.0	1.9	20
BVYR-171212	SVYR-171212	17	12	12	80.0	30.0	32.0	34.0	32.0	22.0	22.0	2xM5	46.0	15.0	2.8	20
BVYR-231717	SVYR-231717	23	17	17	98.0	38.0	42.0	38.0	42.0	30.0	29.0	2xM6	60.0	19.0	5.2	20
BVYR-292323	SVYR-292323	29	23	23	109.0	45.0	48.0	37.0	48.0	37.0	33.0	2xM6	74.0	23.0	8.0	10
BVYR-362929	SVYR-362929	36	29	29	130.0	54.0	58.0	50.0	58.0	43.0	36.0	2xM6	87.0	27.0	11.2	5
BVYR-483636	SVYR-483636	48	36	36	144.0	68.0	70.0	50.0	70.0	50.0	48.0	2xM6	104.0	34.0	15.7	5

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:

- Y-junction with conduit locking clip (OVN2)
- Conduit gasket (NVN3)

Assembly instructions:

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

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