
 TECHNICAL DATA SHEET

PMA Ex system – BESGR - Connection Splice

PMA



IP68, connection splice for flexible conduits



Applications:

- For indoor and outdoor applications in hazardous areas

Features & Benefits:

- Prevents electrostatic charging
- For indoor and outdoor applications
- High connection strength - to conduit
- Corrosion resistant
- Easy installation
- Very good chemical properties
- For Zone 1, 2, 21 & 22

Ingress protection:

- IP66, IP68

Materials:

- Dissipative polyamide 12

Compatible with:

- PMA Ex-System Conduit

Conforms to:

- IEC EN 60079-0, IEC EN 60079-7, IEC EN 60079-31
- GB/T 3836.1, GB/T 3836.3, GB/T 3836.31

Certificates:

- ATEX: SEV 15 ATEX0121X
- IECEx: IECEx SEV15.0009X
- CCCEX: 2024122313118136

Ex-Markings:

- Ex eb IIC Gb
- Ex tb IIIC Db

Weathering resistance:

- Very good UV resistance and weathering characteristics

Colour:

- Black

Chemical properties:

- Please refer to www.pma.ch for more technical information and informations on chemical resistance

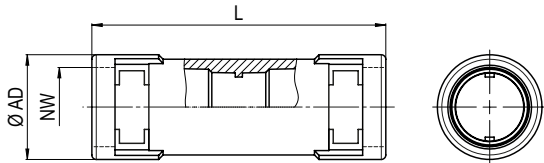
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.	Conduit size	Dimensions in mm (nom.)		Weight	Packing unit
black	NW	L	Ø AD	kg/100 pcs	pcs/PU
BESGR0303	12	66.0	23.5	1.3	10
BESGR0404	17	87.0	29.5	2.1	10
BESGR0505	23	103.0	37.0	3.7	10
BESGR0606	29	100.0	44.0	4.4	10
BESGR0707	36	130.0	53.5	8.1	10
BESGR0808	48	133.0	66.0	12.6	10

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	1100 N/mm ²		ISO 527
Tensile strength	35 N/mm ²		ISO 527
Impact strength	> 7 J	(85°C)	EN 60079-0
Impact strength (NW10-12)	> 7 J	(-5°C)	EN 60079-0
Impact strength (NW17-48)	> 7 J	(-20°C)	EN 60079-0

Thermal properties:	Value:	Test parameters:	Test method:
For use in hazardous locations:			
Temperature range in combination with PMA XESX conduit sizes 02-03 (NW10-12)	-05 ... +85 °C		EN 60079-0
Temperature range in combination with PMA XESX conduit sizes 04-08 (NW17-48)	-20 ... +85 °C		EN 60079-0
General:	-50 ... +95 °C		

Electrical properties:	Value:	Test parameters:	Test method:
Specific surface resistivity	< 10 ⁷ Ω		ASTM D257

Content of delivery:

- Connection splice with conduit locking clips (OVN2),
- Ex-System Conduit gaskets (NEN3)

Assembly instructions:

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

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