
 TECHNICAL DATA SHEET

PMA Ex system – BENRRE - Fitting

PMA



IP68, polyamide fitting for connection to solid metal tube



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

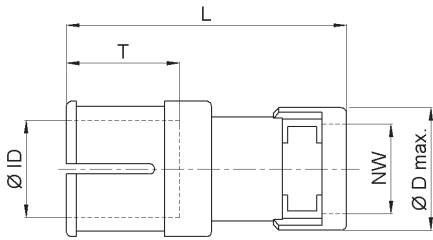
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.	Thread size	Conduit size	Dimensions in mm (nom.)				Weight	Packing unit
			L	Ø ID	Ø D max.	T		
black	metric	NW					kg/100 pcs	pcs/PU
BENRRE030324	M16	12	54.0	16.0	23.5	26.0	1.2	1
BENRRE040428	M20	17	65.0	20.0	29.5	28.0	2.1	1
BENRRE050532	M25	23	71.0	26.0	37.0	30.0	2.5	1
BENRRE060644	M32	29	71.0	32.0	44.0	30.5	3.4	10
BENRRE070750	M40	36	90.0	40.0	53.5	36.0	5.3	10
BENRRE080865	M50	48	90.0	50.0	66.0	35.5	7.9	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:

- Connector with jubilee clip,
- Locking clip (OVN2),
- Conduit seal Ex-System (NEN3)

Assembly instructions:

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

ABB Switzerland Ltd,
PMA Cable Protection
Aathalstrasse 90
8610 Uster, Switzerland
Phone: +41 58 585 00 11
pma-info@ch.abb.com
www.pma.ch

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