

**Connection**

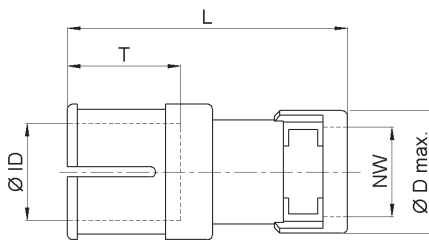
to solid metal tube

IP68

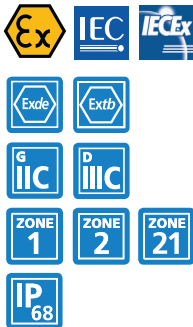
metric

# BENRRE

PMA Ex eb Non Metallic System

**Dimension****Features**

- Connection part for metal tubes to PMA conduit
- Made of dissipative PA12, with stainless steel jubilee clip
- Prevents electrostatic charging
- For indoor and outdoor applications
- High system connection strengths
- Corrosion resistant
- Easy installation
- Very good chemical properties

**Certification & Standards**

**Approved to:** IEC EN 60079-0, 60079-7, 60079-31

**EC TYPE Examination** ATEX: SEV 15 ATEX 0121X

**Certificate:** IECEx: IECEx SEV15.0009X

Ex eb IIC Gb

Ex tb IIIC Db

**Temperature:** -5°C to +85°C Sizes 02-03 (NW10-12)

-20°C to +85°C Sizes 04-08 (NW17-48)

**IP protection:** IP68

order no.	fits to		dimensions in mm (nom.)				weight		packing unit
	conduit size NW	metal tube metric	Ø ID	L	Ø D max.	T	kg/100 pcs	PU/pcs	
BENRRE030324	12	M16	16.0	54.0	23.5	26.0	1.2	3.1	1
BENRRE040428	17	M20	20.0	65.0	29.5	28.0	2.1	3.9	1
BENRRE050532	23	M25	26.0	71.0	37.0	30.0	2.5	4.9	1
BENRRE060644	29	M32	32.0	71.0	44.0	30.5	3.4	6.5	10
BENRRE070750	36	M40	40.0	90.0	53.5	36.0	5.3	8.8	10
BENRRE080865	48	M50	50.0	90.0	66.0	35.5	7.9	12.0	10

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time

**Connection**

to solid metal tube

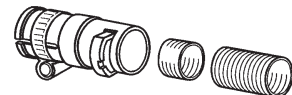
IP68

metric

**BENRRE**

## PMA Ex eb Non Metallic System

properties	unit	value	test method
<b>Mechanical properties</b>			
Stress-E-module	N/mm <sup>2</sup>	350	ISO 527
Tensile strength	N/mm <sup>2</sup>	35	ISO 527
Notched bar impact test	kJ/m <sup>2</sup>	9 (-30°C)	ISO 179/2-1eA
Impact strength	kJ/m <sup>2</sup>	> 7 (85°C)	EN 60079-0
		> 7 (-20°C)	EN 60079-0
<b>Thermal properties</b>			
For use in hazardous locations:			
Temperature range sizes 02-03	°C	-05 ... +85	EN 60079-0
Temperature range sizes 04-08	°C	-20 ... +85	EN 60079-0
General:		-50 ... +95	
<b>Fire safety characteristics</b>			
<b>Application approvals</b>			
<b>System test</b>			
Please refer to <a href="#">Info-No. 10</a>			
<b>Electrical properties</b>			
Specific surface resistivity	Ω	< 10 <sup>7</sup>	ASTM D257
<b>Chemical properties</b>			
Please refer to <a href="http://www.pma.ch">www.pma.ch</a>			
<b>Environmental properties</b>			
RoHS and REACH compliant		yes	EU Directive 2011/65/EU EU Directive 1907/2006/EC
<b>Weathering resistance</b>			
Weathering (UV/humidity) for black colour		very good	
<b>Content of delivery</b>			
Connector with jubilee clip, conduit seal Ex-System (NEN3)			
<b>Mounting indication</b>			
On the connection side to the solid conduit the overlapping part has to be sealed by the user with conductive material if increased sealing is required <a href="#">Assembly instructions</a> and other relevant documents are available at <a href="http://www.pma.ch">www.pma.ch</a> .		with jubilee clip width across: 7 mm	



The specifications and instructions for our customers in this document reflect the product engineering level at the time of manufacturing. Please consider the valid data sheet release at a time. For questions please contact the PMA customer service. ABB Switzerland, PMA Cable Protection accepts no liability for damages resulting from unprofessional installation or application or misuse for a purpose. This disclaimer also includes damages to third parties. It is the customer's responsibility to check the delivered products and immediately notify ABB Switzerland, PMA Cable Protection of detected faults. It is also the customer's responsibility to test the delivered product on its applicability for the intended purpose. ABB Switzerland, PMA Cable Protection will accept no liability or responsibility for their products if a product or a PMA system is combined or used together with third-party products, i.e. products from other companies than ABB Switzerland, PMA Cable Protection. Jurisdiction in all legal disputes concerning product liability have the courts of the canton of Zurich/Switzerland. Swiss law applies.

For more information and the newest data sheet releases go to: [www.pma.ch](http://www.pma.ch)