



**Connector**

straight with strain relief and metal thread

IP68

metric thread

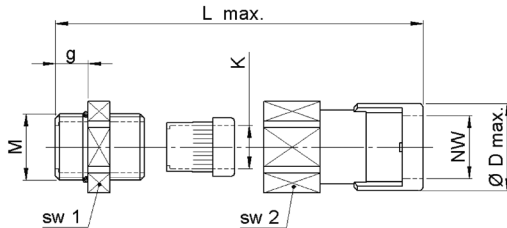


**NENZ**

PMA Ex eb Non Metallic System

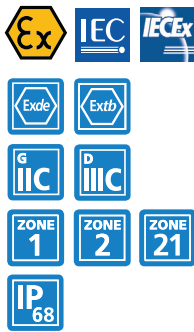


**Dimensions**



**Features**

- Made of dissipative PA12, with nickel-plated brass thread
- Prevents electrostatic charging
- For indoor and outdoor applications
- With integrated strain relief and optimal ingress protection at the cable (up to IP68 / 10 bar for system S)
- High thread and 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. black		thread size	conduit size	clamping range	dimensions in mm (nom.)					weight	packing unit
system S	system R	metric	NW	K	g	Ø D max.	L	sw1	sw2	kg/100 pcs	pcs
NENZ0202S/P1	NENZ0202R/P	M12x1.5	10	4.0 - 6.5	5.0	23.0	48.5	17	21	1.7	10
NENZ0202S/P2		M12x1.5	10	5.0 - 8.0	5.0	23.0	48.5	17	21	1.7	10
NENZ0203S/P1	NENZ0203R/P	M16x1.5	10	4.0 - 6.5	6.0	23.0	49.5	18	21	2.6	10
NENZ0203S/P2		M16x1.5	10	5.0 - 8.0	6.0	23.0	49.5	18	21	2.6	10
NENZ0203S/P3		M16x1.5	10	6.5 - 9.5	6.0	23.0	49.5	18	21	2.6	10
NENZ0304S/P1	NENZ0304R/P	M20x1.5	12	4.0 - 6.5	6.5	28.5	54.0	22	26	3.6	10
NENZ0304S/P3		M20x1.5	12	6.5 - 9.5	6.5	28.5	54.0	22	26	3.6	10
NENZ0304S/P4		M20x1.5	12	7.0 - 10.5	6.5	28.5	54.0	22	26	3.6	10
NENZ0404S/P3	NENZ0404R/P	M20x1.5	17	6.5 - 9.5	6.5	31.0	60.0	22	28	4.3	10
NENZ0404S/P4		M20x1.5	17	7.0 - 10.5	6.5	31.0	60.0	22	28	4.3	10
NENZ0404S/P5		M20x1.5	17	9.0 - 13.0	6.5	31.0	60.0	22	28	4.3	10
NENZ0405S/P5	NENZ0405R/P	M25x1.5	17	9.0 - 13.0	7.5	31.0	61.5	28	28	5.8	10
NENZ0405S/P6		M25x1.5	17	11.5 - 15.5	7.5	31.0	61.5	28	28	5.8	10
NENZ0505S/P6	NENZ0505R/P	M25x1.5	23	11.5 - 15.5	7.5	39.5	72.5	30	36	8.2	10
NENZ0506S/P4	NENZ0506R/P	M32x1.5	23	14.0 - 18.0	8.0	39.5	73.0	35	36	10.9	10
NENZ0606S/P3	NENZ0606R/P	M32x1.5	29	17.0 - 20.5	8.0	46.5	73.0	40	43	14.3	10
NENZ0606S/P4		M32x1.5	29	20.0 - 25.0	8.0	46.5	73.0	40	43	14.3	10
NENZ0607S/P5	NENZ0607R/P	M40x1.5	29	24.0 - 28.0	8.5	47.0	73.0	43	43	16.4	10
NENZ0707S/P1	NENZ0707R/P	M40x1.5	36	20.0 - 25.0	9.0	60.5	87.0	50	55	19.5	10
NENZ0707S/P2		M40x1.5	36	24.0 - 28.0	9.0	60.5	87.0	50	55	19.5	10
NENZ0708S/P3	NENZ0708R/P	M50x1.5	36	32.0 - 36.0	10.0	60.5	89.5	54	55	22.9	10
NENZ0808S/P2	NENZ0808R/P	M50x1.5	48	32.0 - 36.0	10.0	66.0	92.0	57	60	27.9	10
NENZ0808S/P3		M50x1.5	48	36.0 - 40.0	10.0	66.0	92.0	57	60	27.9	10

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



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## PMA Ex eb Non Metallic System

properties	unit	value	test method
<b>Mechanical properties</b>			
Stress-E-module	N/mm2	350	ISO 527
Tensile strength	N/mm2	35	ISO 527
Notched bar impact test	kJ/m2	9 (-30°C)	ISO 179/2-1eA
Impact strength	kJ/m2	> 7 (85°C)	EN 60079-0
	kJ/m2	> 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>			
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 catalogue PMA Ex-System or <a href="http://www.pma.ch">www.pma.ch</a>			
<b>Environmental properties</b>			
RoHS and REACH compliant		yes	
<b>Weathering resistance</b>			
Weathering (UV/humidity) for black colour		very good	
<b>System test</b>			
Ingress protection:			
System S with NENZ, OR and sealing insert at the cable		IP68 stat./IP67 dyn.	EN 60529 / DIN 40050 / IEC 60529
System R with NENZ, OR, without cable sealing insert		IP68 (up to 10 bar)	
<b>Content of delivery</b>			
System S: Ex-System connector with clip (EVN2), O-ring (OR), Ex-System conduit seal (NENZ), Pflitsch adapter and sealing insert			
System R: Ex-System conduit seal EVNZ/OR/NENZ3 without cable sealing insert			
<b>Mounting indication</b>			

Assembly instructions and other relevant documents are available at [www.pma.ch](http://www.pma.ch)

Not intended for use as cable gland

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)



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**Sealing system**

The graduation of the terminal range of the UNI sealing system allows the optimum transmission of the clamping forces onto the cables. The distribution of the pressure on the large contact area of sealing insert and cable avoids any damage of the cable. At the same time an optimum sealing and strain relief of the cable will be provided. Even when not completely tightend the membrane of the sealing insert offers a sealing of IP54.

If several conductors are used with the connector multiple sealing inserts should be considered.

**Dimensions Dimensionen**

