

TECHNICAL DATA SHEET

EMCFIX - NVEZ-M-T/B - EMC Fitting

Straight with strain relief, IP68, metric metal thread

PMA



EMC fitting with Pflitsch T80 HL3 approved strain relief insert for EMC sensitive applications



Applications:

- For EMC sensitive applications in rail and rail infrastructure, machine building and general industry

Features & Benefits:

- Pflitsch EMC UNI DICHT TRI Spring system
- Excellent shielding attenuation values
- For use with shielded cables
- Integrated strain relief
- Very high impact resistance
- Vibration-proof EMC and connection to PMAFLEX conduits
- High conduit pull-out strength
- Fits both conduit profiles - fine (T) and coarse (G)

Ingress protection:

- IP66, IP68 & IP69 (EN/IEC 60529)
- IP68 (up to 10 bar at the cable)
- IP69, 100 bar with Water impact protection (WPS-ring)

Materials:

- Fitting body: high-grade, specially formulated polyamide 6
- Thread: nickel-plated brass
- Sealing insert: flame retarded TPE T80

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)

Weathering resistance:

- Very good UV resistance and weathering characteristics

Colour:

- Black

Chemical properties:

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

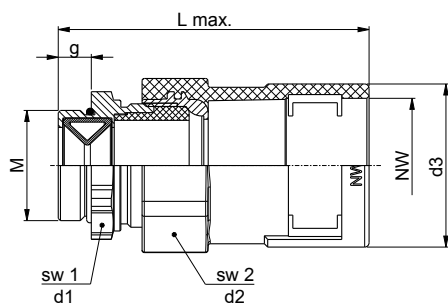
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.	Thread size	Conduit size	Screening range	Clamping range	Dimensions in mm (nom.)					Weight	Packing unit
black	metric	NW	[mm]	[mm]	g	L max.	d4	SW1	SW2	kg/100 pcs	pcs/PU
NVEZ-M160T/B1	M16x1.5	10	3.0 - 6.5	4.0 - 6.5	6.0	52.0	23.0	18	21	2.8	50
NVEZ-M160T/B2	M16x1.5	10	3.0 - 8.0	5.0 - 8.0	6.0	52.0	23.0	18	21	2.8	50
NVEZ-M160T/B3	M16x1.5	10	3.0 - 8.5	6.5 - 9.5	6.0	52.0	23.0	18	21	2.8	50
NVEZ-M162T/B4	M16x1.5	12	4.5 - 9.5	7.0 - 10.5	6.0	56.0	26.5	20	24	3.5	50
NVEZ-M202T/B1	M20x1.5	12	3.0 - 6.5	4.0 - 6.5	6.5	56.0	28.5	22	26	4.7	50
NVEZ-M202T/B2	M20x1.5	12	3.0 - 8.0	5.0 - 8.0	6.5	56.0	28.5	22	26	4.7	50
NVEZ-M202T/B3	M20x1.5	12	3.0 - 8.5	6.5 - 9.5	6.5	56.0	28.5	22	26	4.7	50
NVEZ-M202T/B4	M20x1.5	12	6.0 - 10.0	7.0 - 10.5	6.5	58.0	28.5	22	26	4.6	50
NVEZ-M202T/B5	M20x1.5	12	6.0 - 12.0	9.0 - 13.0	6.5	58.0	28.5	22	26	4.6	50
NVEZ-M207T/B1	M20x1.5	17	3.0 - 6.5	4.0 - 6.5	6.5	62.0	31.0	22	28	5.2	50
NVEZ-M207T/B2	M20x1.5	17	3.0 - 8.0	5.0 - 8.0	6.5	62.0	31.0	22	28	5.2	50
NVEZ-M207T/B3	M20x1.5	17	3.0 - 8.5	6.5 - 9.5	6.5	62.0	31.0	22	28	5.1	50
NVEZ-M207T/B4	M20x1.5	17	6.0 - 10.0	7.0 - 10.5	6.5	64.0	31.0	22	28	5.1	50
NVEZ-M207T/B5	M20x1.5	17	6.0 - 12.0	9.0 - 13.0	6.5	64.0	31.0	22	28	5.0	50
NVEZ-M257T/B1	M25x1.5	17	3.0 - 6.5	4.0 - 6.5	7.5	63.0	31.2	28	28	7.5	50
NVEZ-M257T/B2	M25x1.5	17	3.0 - 8.0	5.0 - 8.0	7.5	63.0	31.2	28	28	7.5	50
NVEZ-M257T/B3	M25x1.5	17	3.0 - 8.5	6.5 - 9.5	7.5	63.0	31.2	28	28	7.5	50
NVEZ-M257T/B4	M25x1.5	17	3.0 - 8.5	7.0 - 10.5	7.5	63.0	31.2	28	28	7.4	50
NVEZ-M257T/B5	M25x1.5	17	8.0 - 12.0	9.0 - 13.0	7.5	65.0	31.2	28	28	7.4	50
NVEZ-M257T/B6	M25x1.5	17	8.0 - 12.0	11.5 - 15.5	7.5	65.0	31.2	28	28	7.3	50
NVEZ-M253T/B1	M25x1.5	23	10.0 - 15.5	11.5 - 15.5	7.5	73.5	39.5	30	36	8.2	50
NVEZ-M253T/B2	M25x1.5	23	10.0 - 17.0	14.0 - 18.0	7.5	73.5	39.5	30	36	8.1	50
NVEZ-M253T/B3	M25x1.5	23	10.0 - 17.0	17.0 - 20.5	7.5	73.5	39.5	30	36	8.0	50

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



d4 max = Largest value OD:
d1, d2, d3

Mechanical Properties:	Value:	Test parameters:	Test method:
Tensile modulus	1'200 ... 3'700 N/mm ²		ISO 527
Tensile strength	45 ... 65 N/mm ²		ISO 527
Notched bar impact test	4 ... 20 kJ/m ²		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/m ²)
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/m ²)
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:

- Fitting with conduit locking clip (OVN2)
- Conduit gasket (NVN3)
- Pflitsch double thread element with pre-installed O-ring (OR)
- Pflitsch sealing insert

Assembly instructions:

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



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