
 TECHNICAL DATA SHEET

PMA Smart Line - ALND-M - Fitting

Straight, metric thread

PMA



One-piece, IP66 polyamide fitting for flexible non-metallic conduit



Applications:

- In machine building, installation and construction industries

Features & Benefits:

- Economical
- Easy „push-in“ installation
- Re-opening with screwdriver (for security reasons hand opening not possible)
- Space saving due to compact design
- Fits both conduit profiles - fine (T) and coarse (G)

Ingress protection:

- IP66 (EN/IEC 60529)

Materials:

- High-grade, specially formulated polyamide 6

Compatible with:

- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

Weathering resistance:

- Very good UV resistance and weathering characteristics, particularly in black

Colour:

- Black
- Grey

Chemical properties:

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

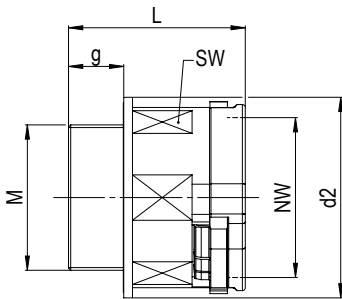
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.		Thread size	Conduit size	Dimensions in mm (nom.)				Weight	Packing unit
black	grey	metric	NW	g	L	d2	SW	kg/100 pcs	pcs/PU
ALND-M120	SLND-M120	M12x1.5	10	11.0	34.0	21.5	16	0.5	100
ALND-M160	SLND-M160	M16x1.5	10	11.0	34.0	21.5	16	0.6	100
ALND-M162	SLND-M162	M16x1.5	12	11.0	38.0	25.0	19	0.6	100
ALND-M200	SLND-M200	M20x1.5	10	11.0	34.0	26.0	16	0.7	100
ALND-M202	SLND-M202	M20x1.5	12	11.0	38.0	25.0	19	0.7	100
ALND-M207	SLND-M207	M20x1.5	17	11.0	41.0	31.0	24	0.8	100
ALND-M257	SLND-M257	M25x1.5	17	12.0	42.0	31.0	24	1.0	100
ALND-M253	SLND-M253	M25x1.5	23	12.0	45.5	39.0	32	1.2	50
ALND-M323	SLND-M323	M32x1.5	23	15.0	48.5	39.0	32	1.5	50
ALND-M329	SLND-M329	M32x1.5	29	15.0	50.5	46.0	38	1.9	30
ALND-M409	SLND-M409	M40x1.5	29	19.0	54.5	46.0	38	2.6	30
ALND-M406	SLND-M406	M40x1.5	36	19.0	60.5	56.0	46	3.5	20
ALND-M506	SLND-M506	M50x1.5	36	19.0	61.0	56.0	46	4.1	20
ALND-M508	SLND-M508	M50x1.5	48	19.0	61.0	69.0	60	4.7	10
ALND-M638	SLND-M638	M63x1.5	48	19.0	61.0	69.0	60	5.3	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	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

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	V2		UL 94

Content of delivery:

- Fitting

Assembly instructions:

- When mounting, push-in conduit completely and then pull back slightly to ensure the locking mechanism is fully engaged
- To Disassembly: reopen with screwdriver and tiwst for easy release
- Please consider the appropriate assembly instructions on www.pma.ch

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