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 TECHNICAL DATA SHEET

## PMA Smart Line - ALAD-M - Fitting

45°elbow, one-piece, IP66, 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](http://www.pma.ch) (Technical Information / Chemical Resistance)

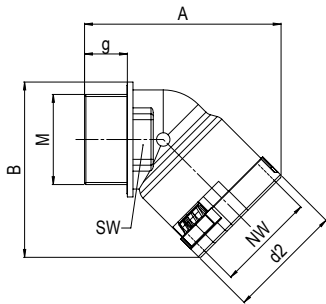
#### Environmental properties:

- 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	d2	A	B	kg/100 pcs	pcs/PU
ALAD-M120	SLAD-M120	M12x1.5	10	11.0	21.5	42.5	33.0	0.6	100
ALAD-M160	SLAD-M160	M16x1.5	10	11.0	21.5	42.5	35.0	0.7	100
ALAD-M162	SLAD-M162	M16x1.5	12	11.0	25.0	47.5	39.5	0.8	100
ALAD-M202	SLAD-M202	M20x1.5	12	11.0	25.0	47.5	41.5	0.9	100
ALAD-M207	SLAD-M207	M20x1.5	17	11.0	31.0	54.0	46.0	1.2	100
ALAD-M253	SLAD-M253	M25x1.5	23	12.0	39.0	63.5	55.5	2.2	50
ALAD-M257	SLAD-M257	M25x1.5	17	12.0	31.0	55.0	48.5	1.3	100
ALAD-M323	SLAD-M323	M32x1.5	23	15.0	39.0	67.0	60.0	2.3	50
ALAD-M329	SLAD-M329	M32x1.5	29	15.0	46.0	72.5	63.5	3.2	30
ALAD-M406	SLAD-M406	M40x1.5	36	19.0	56.0	87.5	78.0	5.6	20
ALAD-M409	SLAD-M409	M40x1.5	29	19.0	46.0	76.5	66.5	3.2	30
ALAD-M506	SLAD-M506	M50x1.5	36	19.0	56.0	88.0	82.0	5.6	20
ALAD-M508	SLAD-M508	M50x1.5	48	19.0	68.0	97.5	88.0	8.5	10
ALAD-M638	SLAD-M638	M63x1.5	48	19.0	68.0	97.5	94.5	7.8	10

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



<b>Mechanical Properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Tensile modulus	1'200 ... 3'700 N/mm <sup>2</sup>		ISO 527
Tensile strength	45 ... 65 N/mm <sup>2</sup>		ISO 527
Notched bar impact test	4 ... 20 kJ/m <sup>2</sup>		ISO 180/1C

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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](http://www.pma.ch)

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