

Water impact protection IP69K polyamide 6

WPS

PMA Accessories

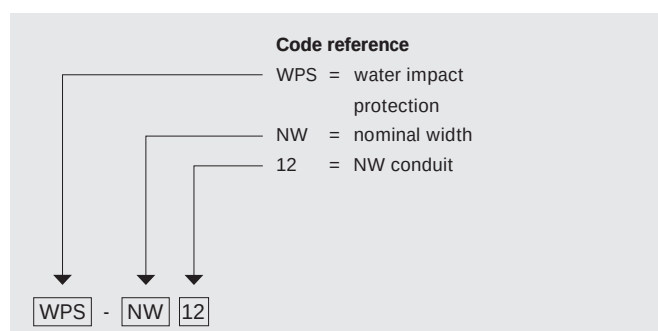
application	- construction of railways and vehicles, machine tool industry - for increased ingress protection requirements regarding high pressure/steam jet cleaning
material	high-grade, specially formulated polyamide 6
characteristics	- extremely shock resistant - self-extinguishing, free of halogen and cadmium - based on PMAFIX/PMAFLEX system with ingress protection of IP68 - additional protection against water jet impact - increased ingress protection of PMAFIX systems up to IP69K - two-piece water impact protection with click cap - quick mounting - possible for subsequent installation (retrofit) - high retention forces - optimal fixation due to integrated rib - groove for additional fixation - fits to all PMAFLEX conduit profiles



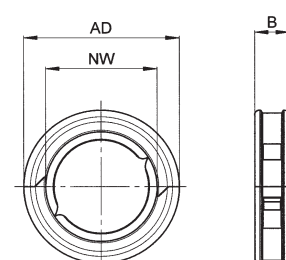
specifications	according to DIN 40050, part 9
Ingress protection	IPX9K = at 80 - 100bar water jet pressure until 80°C water temperature
suitable for	PMAFIX fittings with ingress protection IP68
colour	black

order no.	conduit size	dimensions in mm (nom.)		weight	packing unit
black	NW	AD	B	kg/100 pcs	PU/pcs
TWPS-NW10	10	22.0	8.0	0.2	50
TWPS-NW12	12	26.0	8.0	0.2	50
TWPS-NW17	17	33.0	8.0	0.3	50
TWPS-NW23	23	40.0	9.0	0.5	30
TWPS-NW29	29	47.0	9.5	0.7	20
TWPS-NW36	36	59.0	10.0	1.3	20
TWPS-NW48	48	71.0	10.0	2.3	10

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



Dimensions

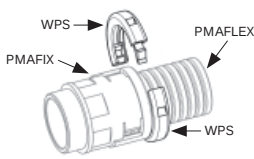
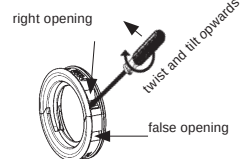
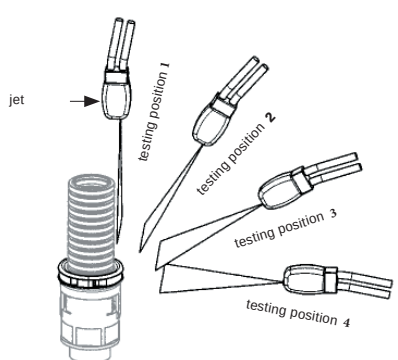


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properties	unit	value	test method
Mechanical properties			
Stress-E-module	N/mm ²	1'200 ... 3'700	ISO 527
Tensile strength	N/mm ²	45 ... 65	ISO 527
Notched bar impact test	kJ/m ²	4 ... 20	ISO 180/1C
Thermal properties			
Temperature range	°C	-45 ... +105	PMA-Norm DO 9.21-4510
Short-term	°C	+160	
Flame properties			
Free of halogen and cadmium		yes	DIN 53474
Flame class		V2	UL 94
Light emitting filament check		960	EN 60695-2-10
Oxygen index (LOI)	°C	> 30	ASTM D 2863
I-classification	%	I3	NF F 16-101
Smoke emission class		F2	NF F 16-101 + 102
Chemical properties			
Resistance to fuels, mineral oil, fat, alkalies, common solvents, glycols, bases and weak acids		excellent	
Content of delivery			
two-piece water impact protection			
System test			
Ingress protection about high pressure/steam jet cleaning		IP69K	DIN 40050
Mounting indication			
Please consider the appropriate assembly instruction on www.pma.ch			
Mounting directly after connector 		Open with screwdriver 	
			

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. PMA AG 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 PMA AG of detected faults. It is also the customer's responsibility to test the delivered product on its applicability for the intended purpose. PMA AG 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 PMA AG. 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](#)