



Installation: hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)
Classification: Group II - Category 2G 2D



REFERENCE STANDARDS

Directive 2014/34/EU

EXECUTION	⊗ II 2 G Ex db / Ex eb/ Ex ia/ IIC Gb ⊗ II 2 D Ex tb IIIC Db
RULES OF COMPLIANCE	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31
EC Type-Examination Certificate	INERIS 09 ATEX 0028X
PROTECTION DEGREE	IP66 or IP66/68
AMBIENT TEMPERATURE	-40°C ÷ +90°C (Rubber rings EPDM-60) -60°C ÷ +180°C (Rubber rings SILICON)
OTHER AVAILABLE CERTIFICATES	IECEX: IECEX INE 11.0017X INMETRO: CEPEL 12.2177X EAC: TC RU C-IT.BH02.B.00587 (-75°C ÷ +180°C) RINA: ELE139017CS004 RUSSIAN MARINE CERTIFICATE (RMRS): 19.02521.280 CCOE-PESO: P405709/1

Mechanical characteristics

Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX) marine grade copper free aluminium (on project request only)
Finishes	full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber 50-60 shore hardness (standard supply) Silicon rubber 60 shore hardness (on demand only)
O-ring	silicon rubber - 60 shore hardness
Skid washer	nylon 6.0
Chamber for sealing	OT-58 marine brass ("R" version only)

Applications

- For steel wire armoured cables (swa) for steel tape armoured cables and for lead inner sheath cables
- Double Compression Type For Indoor And Outdoor Use
- Provided armour clamping using clamping arrangements suitable for all armour wire/braid types
- Internal lead device for electrical bond of cable lead inner sheath
- Double compression - under armour and overall of armour cable (inner and outer sealing)
- Sealing with proper resin into "chamber of sealing" (on barrier type version "r" only)



On Request Accessories:

- Locknuts, Gaskets, PVC Shrouds, Earthing Tags, Sealing (See DL-NW-PTD-ET bulletin)

Cable gland selection table

CODE	SIZE	ENTRY THREAD SIZE			DIA. UNDER ARMOUR		OUTER SHEATH DIA.		HEXAGON [mm]	MATERIAL				
		METRIC (2)	NPT (2)	ISO 228 (2)	min [mm]	max [mm]	min [mm]	max [mm]		(3)				
PAPD# PAPD-R#	01	ISO-M20	M	1/2"NPT	N	1/2"	G	3,5	6,0	10,0	15,0	32,0	NICKEL PL.BRASS	ON
								6,0	8,5				NICKEL PL.BRASS	IX
								8,5	11,0				STAINLESS STEEL	IX
PAPD# PAPD-R#	02	ISO-M25	M	3/4"NPT	N	3/4"	G	8,5	11,0	15,0	20,0	36,0	NICKEL PL.BRASS	ON
								11,0	13,5				NICKEL PL.BRASS	IX
								13,5	16				STAINLESS STEEL	IX
PAPD# PAPD-R#	03	ISO-M32	M	1"NPT	N	1"	G	13,0	16,0	20,0	26,0	45,0	NICKEL PL.BRASS	ON
								16,0	19,0				NICKEL PL.BRASS	IX
								19,0	22,0				STAINLESS STEEL	IX
PAPD# PAPD-R#	04	ISO-M40	M	1 1/4"NPT	N	1 1/4"	G	19,0	22,0	26,0	32,0	53,0	NICKEL PL.BRASS	ON
								22,0	25,0				NICKEL PL.BRASS	IX
								25,0	28,0				STAINLESS STEEL	IX
PAPD# PAPD-R#	05	ISO-M50	M	1 1/2"NPT	N	1 1/2"	G	22,0	25,0	30,0	37,0	61,0	NICKEL PL.BRASS	ON
								25,0	28,0				NICKEL PL.BRASS	IX
								28,0	31,0				NICKEL PL.BRASS	IX
								31,0	34,0				STAINLESS STEEL	IX
PAPD# PAPD-R#	06	ISO-M63	M	2"NPT	N	2"	G	34,0	37,0	42,0	48,0	71,0	NICKEL PL.BRASS	ON
								37,0	40,0				NICKEL PL.BRASS	IX
								40,0	43,0				STAINLESS STEEL	IX
PAPD# PAPD-R#	07	ISO-M75	M	2 1/2"NPT	N	2 1/2"	G	40,0	43,0	52,0	58,0	84,0	NICKEL PL.BRASS	ON
								43,0	46,0				NICKEL PL.BRASS	IX
								46,0	49,0				NICKEL PL.BRASS	IX
								49,0	52,0				STAINLESS STEEL	IX
PAPD# PAPD-R#	08	ISO-M90	M	3"NPT	N	3"	G	52,0	55,0	65,0	72,0	101,0	NICKEL PL.BRASS	ON
								56,0	59,0				NICKEL PL.BRASS	IX
								57,0	60,0				NICKEL PL.BRASS	IX
								60,0	63,0				STAINLESS STEEL	IX
PAPD# PAPD-R#	09	ISO-M100	M	4"NPT	N	4"	G	63,0	66,0	74,0	81,0	126,0	NICKEL PL.BRASS	ON
								66,0	69,0				NICKEL PL.BRASS	IX
								69,0	72,0				NICKEL PL.BRASS	IX
								72,0	75,0				STAINLESS STEEL	IX
								75,0	78,0				STAINLESS STEEL	IX

CABLE GLAND ORDERING

EXAMPLES

PAPD#	01	M	ON	= PAPD#01MON (NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)
PAPD#	03	N	IX	= PAPD#03NIX (NON-BARRIER CABLE GLAND STAINLESS STEEL 1"NPT THR.)

LEGEND

(1)	CABLE GLAND TYPE/MODEL	PAPD# = NON-BARRIER CABLE GLAND - PAPD-R# = BARRIER CABLE GLAND
(2)	THREADING	M = ISO METRIC pitch 1,5mm - N = NPT (ANSI/ASME B1.20.1) - G = ISO-228
(3)	CABLE GLAND MATERIAL	ON = NICKEL PLATED MARINE BRASS - IX = STAINLESS STEEL AISI-316L

PAPD DIMENSIONAL

1	BODY
2-3-4	INNER SEALING RING FOR ARMoured CABLE
5	ARMOUR CLAMPING CONE
6	ARMOUR CLAMPING RING FOR ARMoured CABLE
7	GLAND BARREL
8-9	OUTER SEALING RING
10	ANTI RUBBING WASHER
11	GLAND NUT
12	O-RING (ONLY FOR METRICAL)
13	*CHAMBER FOR SEALING ("R" VERSION ONLY)
14	LEAD WASHER

* Chamber will be filled with sealing when cable gland is completely assembled.

REMARK:

Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.