



**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 12.2175X 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 CCC 2020322313002895

**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 unarmoured cables only
Single compression type suitable for indoor and outdoor use
Single compression - on cable (inner 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 (1)	SIZE	ENTRY THREAD SIZE			INNER SHEATH DIA.		HEXAGON ϕ [mm]	MATERIAL			
		METRIC (2)	NPT (2)	ISO 228 (2)	min [mm]	max [mm]		(3)	(3)		
PNA# PNA-R#	00	ISO-M16	M	3/8"NPT	3/8"	G	4,0	7,0	24,0	NICKEL PL. BRASS	ON
							7,0	10,0		STAINLESS STEEL	IX
		ISO-M20	M	1/2"NPT	1/2"	G	4,0	7,0	32,0	NICKEL PL. BRASS	ON
							7,0	10,0		STAINLESS STEEL	IX
PNA# PNA-R#	01	ISO-M20	M	1/2"NPT	1/2"	G	5,5	8,0	32,0	NICKEL PL. BRASS	ON
							8,0	10,5		STAINLESS STEEL	IX
							10,5	13,0			
PNA# PNA-R#	02	ISO-M25	M	3/4"NPT	3/4"	G	10,5	13,0	36,0	NICKEL PL. BRASS	ON
							13,0	15,5		STAINLESS STEEL	IX
							15,5	18,0			
							18,0	21,0			
PNA# PNA-R#	03	ISO-M32	M	1"NPT	1"	G	18,0	21,0	45,0	NICKEL PL. BRASS	ON
							21,0	24,0		STAINLESS STEEL	IX
PNA# PNA-R#	04	ISO-M40	M	1 1/4"NPT	1 1/4"	G	21,0	24,0	53,0	NICKEL PL. BRASS	ON
							24,0	27,0		STAINLESS STEEL	IX
							27,0	30,0			
PNA# PNA-R#	05	ISO-M50	M	1 1/2"NPT	1 1/2"	G	24,0	27,0	61,0	NICKEL PL. BRASS	ON
							27,0	30,0		STAINLESS STEEL	IX
							30,0	33,0			
							33,0	36,0			
PNA# PNA-R#	06	ISO-M63	M	2"NPT	2"	G	36,0	39,0	71,0	NICKEL PL. BRASS	ON
							39,0	42,0		STAINLESS STEEL	IX
							42,0	45,0			
PNA# PNA-R#	07	ISO-M75	M	2 1/2"NPT	2 1/2"	G	42,0	45,0	84,0	NICKEL PL. BRASS	ON
							45,0	48,0		STAINLESS STEEL	IX
							48,0	51,0			
							51,0	54,0			
							52,0	56,0			
PNA# PNA-R#	08	ISO-M90	M	3"NPT	3"	G	56,0	59,0	101,0	NICKEL PL. BRASS	ON
							59,0	62,0		STAINLESS STEEL	IX
							62,0	65,0			
							65,0	68,0			
							68,0	74,0			
PNA# PNA-R#	09	ISO-M100	M	4"NPT	4"	G	74,0	80,0	126,0	NICKEL PL. BRASS	ON
							80,0	86,0		STAINLESS STEEL	IX
							86,0	92,0			

**CABLE GLAND ORDERING EXAMPLES**

PNA#	01	M	ON	= PNA#01MON (NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)
PNA#	03	N	IX	= PNA#03NIX (NON-BARRIER CABLE GLAND STAINLESS STEEL 1/2"NPT THR.)

**LEGEND**

(1)	CABLE GLAND TYPE/MODEL	PNA# = NON-BARRIER CABLE GLAND - PNA-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 = AISI-316L STAINLESS STEEL

**PNA DIMENSIONAL**

1	BODY
2-3-4	INNER SEALING RING FOR NOT ARMOURED CABLE
5	PRESS RING
6	GLAND NUT
7	O-RING (ONLY FOR METRICAL)
8	*CHAMBER FOR SEALING ("R" VERSION ONLY)

\* 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.

