

PNCX



COMPACT CONNECTOR



5 A

- ▶ II2 G D Ex e IIC, Ex tb IIIC
- ▶ Can be used in zones 1 and 2 (gas), 21 and 22 (dust)
- ▶ Compact and easy to use
- ▶ Standard IP66/IP67
- ▶ Long life, 2 000 operations

ELECTRICAL FEATURES

Maximum voltage	250 V
Impulse withstand voltage	5 kV/Pollution degree 3
Contact resistance	< 2 mΩ
Permitted current range	4-20 mA/5 A
Polarity	3P+N+E
Conductors accepted	From 0,75 mm ² to 2,5 mm ² Screwed terminals
Cable diameter	From 10 to 14 mm (smaller Ø available according to specification)

MECHANICAL FEATURES






Casing & insulator	Glassfiber reinforced thermoplastic UL94 V-0
Butt contacts	Copper alloy with silver-nickel tips
Contact protection	Tinning
Load cycles	> 2000 cycles
Shock resistance	IK08
Vibration	Frequency 5-1 000 Hz, 1 g (90 minutes on each critical frequency) according to IEC 60068-2-6

CLIMATIC FEATURES

Ambient temperature	-20 °C to +70 °C
IP protection Socket with cap	IP66/IP67 IP69K 100bar (1450 PSI) 80 °C
IP protection plug connected	IP66/IP67 IP69K 100bar (1450 PSI) 80 °C
Salt, Fog performance	200 h minimum not connected > 1000 h connected
Resistance to fluids	Motor oils, petrol, oils, detergents...

MARQUAGE ATEX

ATEX zones	Gas zones 1 and 2, Dust zones 21 and 22
ATEX markings	Ⓔ II 2 G D Ex e IIC T6 Gb Ex tb IIIC T7 °C Db
Certificates	LCIE 16 ATEX 3001 X IECEx LCIE 16.0001 X

		SOCKET-OUTLET female (with lock nut) PNCX (5 A)		INLET male (with lock nut) PNCX (5 A)	
250 V	5P	06E4007		06E8007	
		COUPLER SOCKET female PNCX (5 A)		PLUG male PNCX (5 A)	
250 V	5P	06E3007		06E1007	
				ADAPTER PLATE FOR DNX1 ACCESSORIES (SEE PAGES 168-169)	
					251A457-E

PLUG



PNCX connectors complies with:

- The ATEX 2014/34/UE Directive,
- The requirements of IEC 61984, IEC 60529, IEC 62262, EN/IEC 60079-0, EN/IEC 60079-7 and EN/IEC 60079-31 International standards,
- The European Low Voltage Directive 2014/35/UE.
- The French NF C 15-100 standard,
- The French decree dated 20 December 2011 pertaining to the wiring and operating conditions of movable electrical apparatuses,