



PNCX

COMPACT CONNECTOR 5 A

- ▶ II 2 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
- ▶ IP66/IP67 WATERTIGHT
- ▶ LONG LIFE

The PNCX is a compact and rugged connector designed for all types of aggressive environments (humidity, corrosion, pollution) found in many industrial hazardous areas. The 5 contacts connection can meet all needs and applications such as lighting. The PNCX connector is both quickly assembled and put into service. Its locking ring resists vibration thus preventing accidental disconnection of the plug on load. MARECHAL®'s technically advanced silver-nickel butt contact system assures next level performance no matter the conditions. The PNCX guarantees a long-lasting and electrically efficient connection for your industry.

ELECTRICAL FEATURES

Voltage	250 V
Impulse withstand voltage	5 kV / Pollution degree 3
Contact resistance	< 2mΩ
Permitted current range	4-20 mA / 5 A
Polarity	3P+N+E
Conductors accepted	From 0,75 mm ² to 2,5 mm ² Mechanical terminals
Cable diameter	From 7 to 14 mm (smaller ø available according to specification)

CLIMATIC FEATURES

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

MECHANICAL FEATURES

Casing & insulator	Glassfibre reinforced thermoplastic UL94 V-0
Butt contacts	Copper alloy with silver-nickel tips
Contact protection	Tinning
Load cycles	More than 2000 cycles
Shock resistance	IK08
Vibration	Frequency 5-1000 Hz, 1g (90 minutes on each critical frequency) according to IEC 60068-2-6

ATEX MARKINGS

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 T72 °C Db
Certificates	LCIE 16 ATEX 3001 X / IECEX LCIE 16.0001 X

STANDARDS ASPECTS

PNCX connectors comply 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,
- 32 A or 1000 W



SPECIFICATION

IP66/IP67, IP69K connector for hazardous areas (ATEX), Zones 1 and 2 (Gas), 21 and 22 (Dusts), silver-nickel butt contacts.



SOCKET-OUTLET (with lock nut)
female PNCX (5 A)



Umax	Polarity
250 V	5P

Part no.
06E4007

INLET male (with lock nut)
PNCX (5 A)



Part no.
06E8007

COUPLER SOCKET female
PNCX (5 A)



Umax	Polarity
250 V	5P

Part no.
06E3007

PLUG male
PNCX (5 A)



Part no.
06E1007



ADAPTER PLATE FOR DXN1 ACCESSORIES (See page 131)

Part no.

251A457-E