

The NEW PNC IP66/IP67: THE electrical connector for harsh environments

Compact, easy to use and designed for long, trouble-free service



- **5 contacts – rated up to 16A**
- **2000 (load) cycles:** the best on the market
- **Resistance to corrosive atmospheres:** incl. industrial oils and pollution
- **IP66/IP67 watertight** (IP68 according to specification)
- **UL94V0:** thermoplastic, glass fibre reinforced material
- **Excellent conductivity** fitted with silver-nickel tipped butt **corrosion-proof contacts**
- **Simple wiring and assembly** mechanical terminals
- **Easy maintenance** of facilities



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PNC compact IP66/IP67 connector

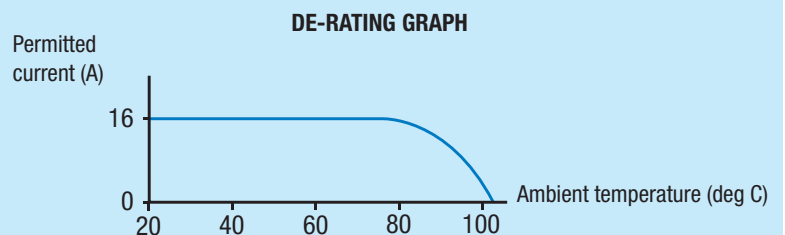
Robust - Long-lasting



The PNC is a **compact and rugged** connector designed for all types of aggressive environments (humidity, corrosion, pollution) found in many industrial sectors including transport infrastructure. The PNC is perfect for connecting light fittings as well as ventilation equipment in tunnels. The PNC 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 PNC guarantees a long-lasting and electrically efficient connection for your industry.

ELECTRICAL FEATURES

■ Voltage:	480 V Maximum
■ Impulse withstand voltage:	5 kV / Pollution index 3
■ Contact resistance:	< 2mΩ
■ Permitted current range:	4 - 20 mA / 16 A
■ Polarity:	5 poles
■ Conductors accepted:	From 0,5 mm ² to 2,5 mm ² - mechanical
■ Cable diameter :	11 to 15 mm (for other sizes please ask)



CLIMATIC FEATURES

■ Temperature range:	From -40 °C to +100 °C
■ Degree of protection:	IP66/IP67 (IP68 acc. to specification)
■ Salt, Fog performance:	200hrs minimum, not connected More than 1000hrs connected
■ Resistance to fluids:	Motor oils, petrol, fats, detergents ...

MECHANICAL FEATURES

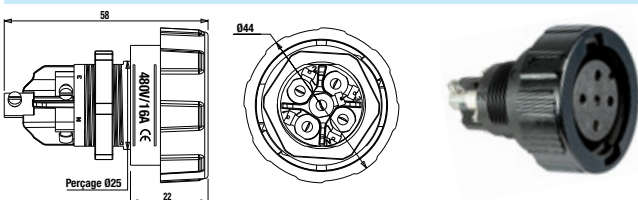
■ Casing & insulator:	Glassfibre reinforced thermoplastic UL94V0
■ Butt contacts:	Copper alloy with silver-nickel tips
■ Contact protection:	Tinning
■ Load cycles:	More than 2000 cycles
■ Resistance to shock:	IK08
■ Vibration:	Frequency 5-100Hz, 1g (90 minutes on each critical frequency)

COMPLIANT STANDARDS

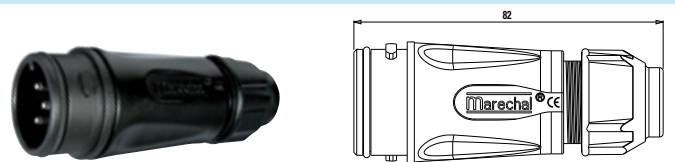
- Complies with IEC 61 984, IEC 60 529, IEC 62 262 and IEC 68-2-6 standards

CONFIGURATION AND DIMENSIONS

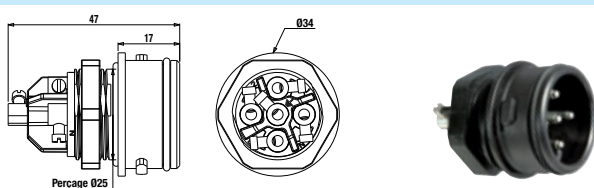
Panel socket: Part Nr 01E4007



Plug: Part Nr 01E1007



Male inlet: Part Nr 01E8007



Coupler Socket: Part Nr 01E3007

