



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
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PNC



**COMPACT
CONNECTOR**



16 A

- ▶ Glassfiber reinforced thermoplastic UL94 V-0
- ▶ Standard IP66/IP67 (IP68 on specification)
- ▶ Long life, 2 000 operations tested
- ▶ Very good vibration resistance



ELECTRICAL FEATURES

Permitted current range	4-20 mA/16 A
Maximum voltage	480 V
Impulse withstand voltage	5 kV/Pollution degree 3
Contact resistance	<2 mΩ
Polarity	3P+N+E
Conductors accepted	From 0,75 mm ² to 2,5 mm ² Screwed terminals
Cable diameter	From 11 to 15 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 5-1000 Hz, 1g (90 minutes on each critical frequency) according to IEC 6068-2-6

CLIMATIC FEATURES

Ambient temperature	-40 °C to +100 °C
IP protection Socket with cap	IP66/IP67 IP69K 100bar (1450 PSI) 80 °C
IP protection plug connected	IP66/IP67 IP68 tested at 10 meters deep for 15 days (please contact us for references) IP69K 100bar (1450 PSI) 80 °C
Salt, Fog performance	200 h not connected > 1000 h connected
Resistance to fluids	Motor oils, petrol, oils, detergents...

SOCKET-

OUTLET female
(with M25 lock nut)
PNC (16 A)



INLET male
(with M25 lock nut)
PNC (16 A)



480 V AC

5P

01E4007

01E8007

COUPLER
socket female
PNC (16 A)



PLUG
male
PNC (16 A)

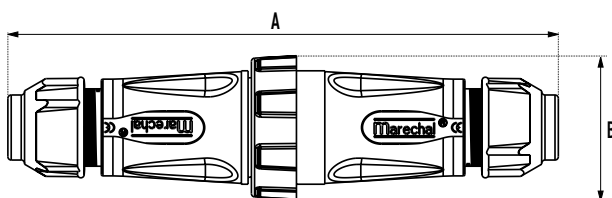


480 V AC

5P

01E3007

01E1007



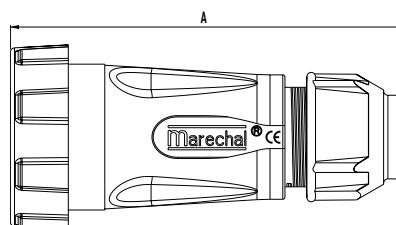
PNC

A

165

B

45



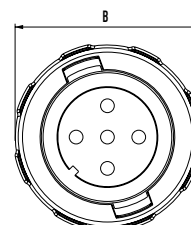
PNC

A

92

B

45



PNC connectors comply with:

- The requirements of IEC 61984, IEC 60529, IEC 62262, IEC 68-2-6 International standards,
- The European Low Voltage Directive 2014/35/EU,
- The French NF C 15-100 standard,
- The decrees relating to workers' protection in Belgium, Spain and Italy.

Also certified by TR CU (GOST) (Russian inspection laboratory).

ERC