

Solid State PCR - Polarization Cell Replacement PPC 1 KA – Low Temperature

Solid-state polarization cell is a semiconductor cell used with cathodically protected structures (pipelines, tanks, grounding systems, etc.) for DC decoupling and AC continuity/grounding, and also for protection from lightning current and AC faults.



Telemagnetica S.r.l.

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GEOMETRY

- Dimensions: 400 x 300 x 200 mm
- Mass: 20 kg (approx.)

MATERIAL

- Epoxy coated steel

STANDARDS / DIRECTIVES:

- EN 12954
- IEC 60529

TECHNICAL DATA

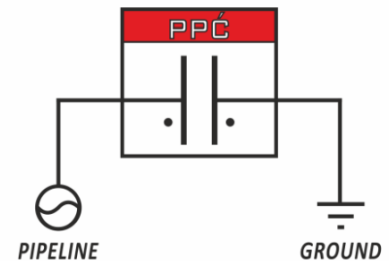
Operating Temperature	-40°C to +55°C
Degree of protection	IP55
AC steady state current:	35 A _{rms} (50/60 Hz)
Lightning surge current (8/20 μS):	100 kA
DC threshold voltage:	-3V / +1V
AC fault current:	1.0 kA (30 cycles @ 50 Hz)

- Number of Operations: Virtually unlimited under maximum ratings, under conditions that operations are not immediately repetitive.
- Energy Requirements: None. The device is totally passive.

NOTE:

Specifications of the unit can be modified according to user demands.

Supporting frame for in-field stand-alone installation is not part of standard delivery – if required, supporting frame should be ordered separately!

CONNECTION DIAGRAM**Telemagnetica S.r.l.**

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