

## ATEX Solid State PCR Ex Proof Polarization Cell Replacement Ex-n PPC 15 KA

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. This ATEX solid-state polarization cell is intended for use in potentially hazardous areas (Zone 2 only).



### Telemagnetica S.r.l.

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## DIMENSIONS

- box: 300(W) x 400(H) x 200(D) mm
- mass: 16 kg

## ATEX DATA

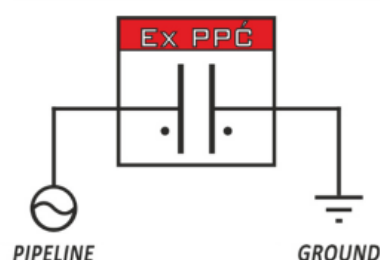
- Equipment Group: II
- Categories of devices: 3G
- Installation: Zone 2 (Gas)
- Protection mode: n, m
- Temperature class: T4

Marking:  II 3G Ex nA mc IIC T4 Gc

## STANDARDS / DIRECTIVES:

- EN 60079
- ATEX 2014/34/EU
- EN 12954
- IEC 60529

## CONNECTION DIAGRAM



## TECHNICAL DATA

- Operating Temperature: -20°C to +55°C
- Degree of protection: IP66
- AC steady state current: 45 A<sub>rms</sub> (50/60 Hz)
- Lightning surge current (8/20 μS): 100 kA
- DC threshold voltage: -3V / +1V
- AC fault current: 15.0 kA (30 cycles @ 60 Hz)  
14.0 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:

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

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