

ATEX Solid State PCR Ex Proof Polarization Cell Replacement Ex-d PPC 5 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.

ATEX solid-state polarization cells are intended for use in potentially hazardous areas (Zone 1, Zone 2).



Telemagnetica S.r.l.

Via Teocrito, 36 - 20128 Milano

Tel. 02.255.29.00 - Fax 02.255.30.97

info@telemagnetica.com - www.telemagnetica.com

GEOMETRY

- box (EJB-3): 364 x 284 x 278 mm
- mass: 20 kg

ATEX DATA

- Equipment Group: II
- Categories of devices: 2G
- Installation: Zone 1, Zone 2 (Gas)
- Protection mode : d (flameproof enclosure)
- Temperature class: T4
- Marking:  II 2G Ex d IIB T4

STANDARDS / DIRECTIVES:

- EN 60079-0:2012/A11:2013
- EN 60079-1:2007
- ATEX 94/9/EC
- EN 12954
- IEC 60529

CE NB 2465 EXA 15 ATEX 0003X

TECHNICAL DATA

Operating Temperature	-25°C to +55°C
Degree of protection	IP66 / IP67

Ex-d PPC 5 kA

AC steady state current:	45 Arms (50 Hz) 45 Arms (60 Hz)
Lightning surge current (8/20 µs)	100 kA
AC fault current:	5,0 kA (30 cycles @ 50 Hz) 5,3 kA (30 cycles @ 60 Hz)
DC threshold voltage	-3V / +1V (standard) -2V / +2V (optional)

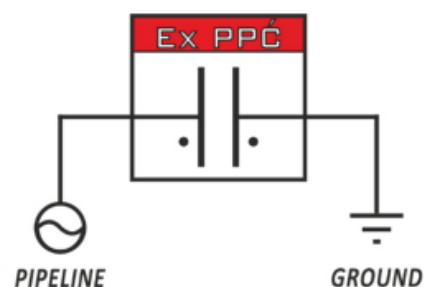
Number of Operations:	Virtually unlimited under maximum ratings, under conditions that operations are not immediately repetitive.
-----------------------	---

Energy Requirements:	None. The device is totally passive.
----------------------	--------------------------------------

NOTE:

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

CONNECTION DIAGRAM



Telemagnetica S.r.l.

Via Teocrito, 36 - 20128 Milano
Tel. 02.255.29.00 - Fax 02.255.30.97

info@telemagnetica.com – www.telemagnetica.com