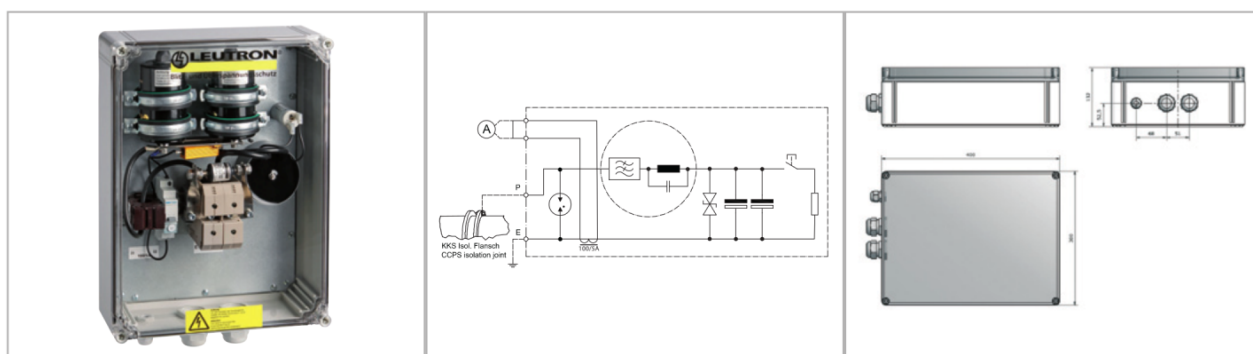


AC Current Diverter PI-Pro-40A-iV

PL-Pro is a protection device designed to save Cathodic Protection systems from the effects of lightning strokes and AC current induced over-loads.

When pipeline path is close to High Voltage AC lines, alternate currents are induced in the pipeline causing AC corrosion risk.

The AC current diverter PL-Pro-40A-iV prevents AC corrosion by diverting the induced alternating currents to ground while blocking the direct currents of the Cathodic Protection.



- AC discharge current: 40A (80 A available upon request)
- Several PLPro devices can be connected in parallel to raise the total discharge current
- Maintenance-free, without liquids
- No disturbance of search signals
- AC discharge current monitoring via integrated transformer
- Integrated lightning and surge current protection up to 100 kA (10/350 μ s)
- Safety switch for capacitor discharge

Technical Data

PLPro-40A-iV

Rated voltage (P-E)	U _{max}	25 V=
Max. continuous diverting current 50Hz (P-E)	I _A	40 A~
Short-time discharge current for 1s/50Hz (P-E)	I _{max}	400 A~
Leakage current (P-E)		≤ 1 mA
Nominal discharge current (8/20 μ s) (P-E)	I _n	10x 100 kA
Lightning impulse current (10/350)	I _{imp}	100 kA
Operating temperature range	TU	-40 - +80 °C
Terminals (P/E)		min. 16 / max. 150 mm
Current transformer		100:1 A
Terminals (current transformer i1, i2)		25 mm ²
Mounting type		wall mounting
Dimensions (L x W x H)		400 x 300 x 132 mm
Degree of protection (IEC EN 60529)		IP 65

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