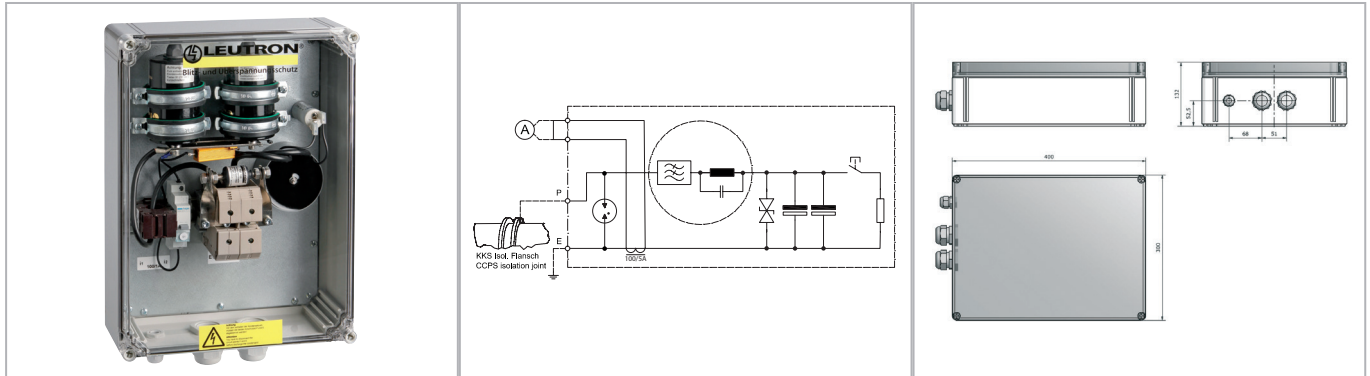


# Datasheet

## Protective devices for AC arresting

### Pipeline Protection PLPro



With an active cathodic corrosion protection the installation is permanently protected against the electrochemical process of corrosion. For that matter a grid supplied rectifier is inserted between the installation (e.g. a pipeline) and an anode that serves as earth electrode. By connecting two or three PLPro units in parallel the overall current can be elevated up to 80 respectively 120 A.

- AC discharge current: 40 A
- Several PLPro devices can be connected in parallel to raise the total discharge current
- Maintenance-free, without liquids
- No disturbance of search signals
- Monitoring of discharge current with integrated current transformer possible
- Integrated lightning and surge current protection up to 100 kA (10/350  $\mu$ s)
- Safety switch for discharging the capacitors

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

Order Data	
Product	PLPro-40A-iV
Article-No.	55 04 40