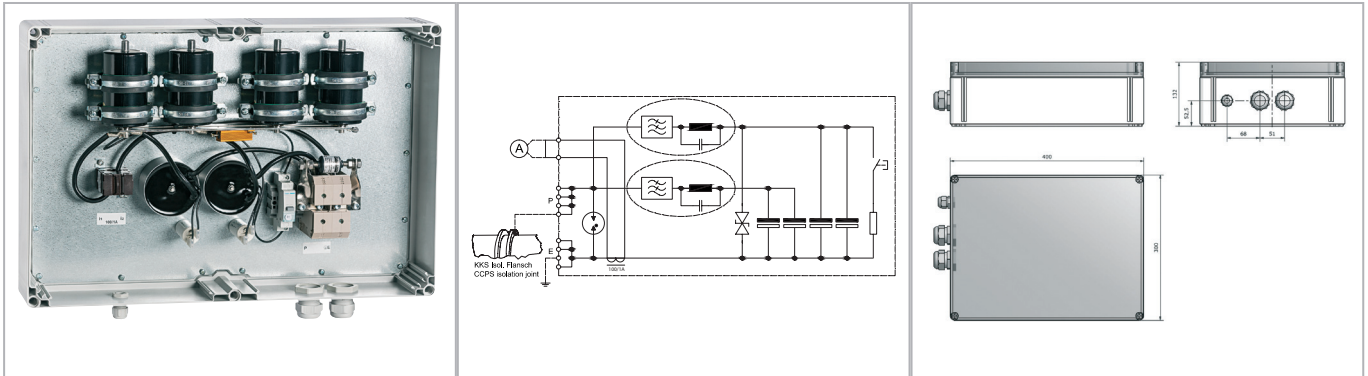


# Datasheet

## Protective devices for AC arresting

### AC-current diverter up to AC 80A with lightning protection



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.

- AC discharge current: 80 A
- Several PLPro devices can be connected in parallel to raise the total discharge current
- Maintenance-free
- 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-80A-iV	
Rated voltage (P-E)	U <sub>max</sub>	25 V=
Max. continuous diverting current 50 Hz (P-E)	I <sub>A</sub>	80 A~
Short-time discharge current for 1 s/50 Hz (P-E)	I <sub>max</sub>	800 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 $\mu$ s)	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		wall mounting
Dimensions (L x W x H)		600 x 400 x 132 mm
Degree of protection (IEC EN 60529)		IP 65
Capacitance	C	200.000 $\mu$ F

Order Data	
Product	PLPro-80A-iV
Article-No.	55 04 41