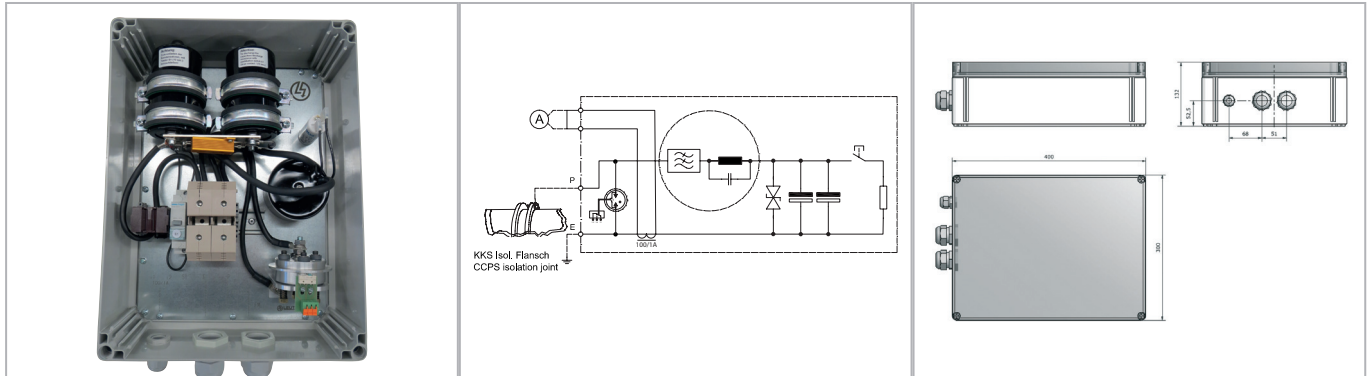


Datasheet

Protective devices for AC arresting



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: 40 or 80 A
- 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 μ s)
- Safety switch for discharging the capacitors

Technical Data		PLPro-40A-iV HSCS-500-FM
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 μ s)	I _{imp}	100 kA
Capacitance	C	2x 100.000 μ F
Operating temperature range	TU	-40 - +80 °C
Terminals (P/E)		min. 16 / max. 150 mm ²
Current transformer		100:1 A
Terminals (current transformer i1, i2)		25 mm ²
Mounting		wall mounting
Dimensions (L x W x H)		400 x 300 x 132 mm
Degree of protection (IEC EN 60529)		IP 65
High-performance short circuit switch HSCS-500:		
IEC category		Class H
Insulation resistance at 10V, 100V		> 1 G Ω
Short-circuit current rating	ISCCR	7,2 kA r.m.s./300 ms kA
3x lightning impulse current (10/350 μ s), long-duration current (CENELEC/BTTF 62-2)	I _{imp}	75kA/38As/1,45MJ/ Ω + 150A/0,5s/75As
20x lightning impulse current (10/45 μ s) half-wave (DIN 48810)		60kA/10As/0,1MJ/ Ω

Order Data	
Product	PLPro-40A-iV HSCS-500-FM
Article-No.	55 04 39