

KERSTEN®

ELECTRODE DE 109



THE PRODUCT

The smallest from the house of KERSTEN. Through the electrode's extremely slim design and because it has the smallest cross section on the market, the DE 109 is suited for the smallest of application spaces.

PRODUCT BENEFITS

- Safe to touch
- Smallest electrode cross-section on the market
- Vacuum casted
- Customizable to the centimetre

CUSTOMER BENEFITS

- Installation in the smallest spaces
- Long lasting and durable through the use of GRP
- Minimal maintenance effort

WHY KERSTEN?

- Made in Germany for over 40 years
- Needs-based consultation
- Tailor-made solutions
- Fast delivery

KERSTEN®

TECHNICAL DATA

DE 109

GENERAL

Supply voltage	U	kV DC	9.0
Power consumption per 1m electrode length at max. supply voltage	I _{max}	μA	250
Connection type			neXt® plug-in
Grid width (tip distance)		mm	30
Available total lengths	L	mm	80 - 860*

DETAILS

Effective distance max.		mm	380
Min. distance (lateral / in operating direction)		mm	40 / 30
Material HV Needles			Tungsten
Minimum bend radius of cable			
- Fixed installation / - Constant motion	R	mm	15 / 30

CLIMATIC CONDITIONS

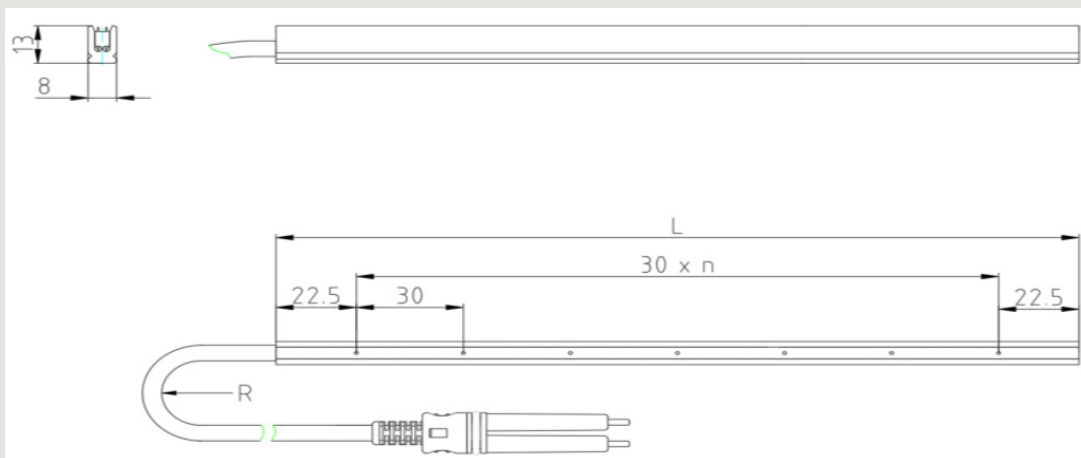
Temperature during transport and storage	T	°C / °F	-25- +85 / -13- +185**
Temperature during operation	T	°C / °F	+5- +80 / +41- +176***
Relative humidity (non condensing)	RH		<80

DIMENSIONS

L/W/H mm L / 8 / 13

*active length = total length -40mm **acc. UL50 TypB / class 3K3 max. +70 °C (+158 °F) ***acc. UL50 TypB / class 3K3 max. +70 °C (+158 °F)

TECHNICAL DRAWING



All dimension measurements in mm

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