

KERSTEN®

ELECTRODE DE 409 L



THE PRODUCT

The DE 409 L is a highly stable universal electrode for a variety of applications. The stable aluminium profile design renders it suitable for longer self-supporting distances. A greater electrostatic discharge reach and material cleaning effect may be achieved with the additional support of compressed air.

PRODUCT BENEFITS

- Safe to touch
- Vacuum-casted
- Customizable to individual lengths

CUSTOMER BENEFITS

- Plug-in system
- Longlife product
- Minimal maintenance effort
- Easy to install

WHY KERSTEN?

- Made in Germany for over 40 years
- Needs-based consultation
- Tailor-made solutions
- Very short delivery times

GENERAL

Supply voltage	U	kV DC	<9.0
Power consumption per 1m electrode length at max. supply voltage	I _{max}	µA	450
Connection type			neXt® - plug-in
Grid width (tip distance)		mm	30
Available total lengths	L	mm	1010-4010*

DETAILS

Effective distance max. (max. voltage)		mm	750
Min. distance (lateral / in operating direction)		mm	40 / 30
Air consumption (length 1.0m) at 0.2 -1.0bar		m³/h	4.2 - 20.5
Air connection		mm	Ø 8.0
Material HV Needles			Tungsten
- Grid up to 2.0m / - Grid from 2.0m		m	0.1 / 0.5
Minimum bend radius of cable			
- Fixed installation / - Constant movement	R	mm	15 / 30

CLIMATIC CONDITIONS

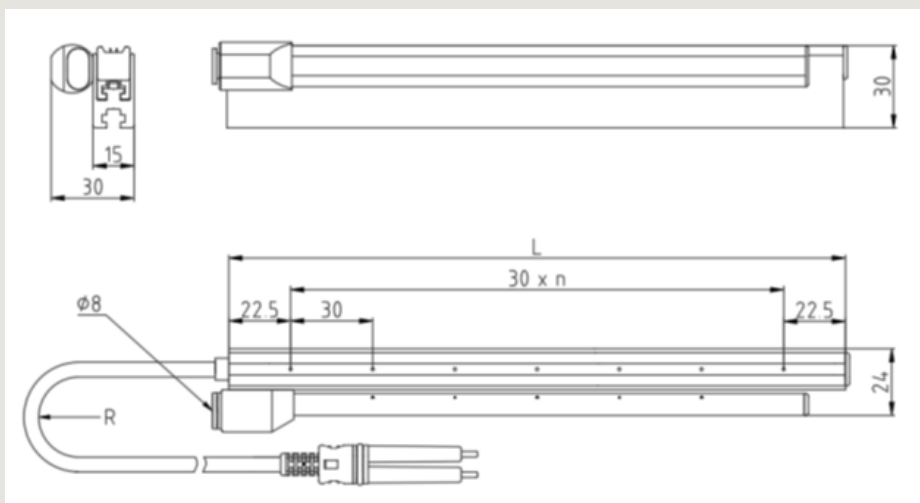
Temperature during transport and storage	T	°C / °F	-25- +85 / -13- +185**
Temperature during operation	T	°C / °F	+5- +80 / +41- +176***
Relative humidity / with compressed air (non-condensing)	RH		<80 / <60

DIMENSIONS

	L/W/H	mm	L / 30.5 / 30
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*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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