

**KERSTEN®**

# Electrode

## DE 406 L



The DE 406 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.

### THE PRODUCT

### 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



# Technical Data

## DE 406 L

### GENERAL

Supply voltage	U	kV DC	<+6.0/>-4.5
Power consumption per 1m electrode length at max. supply voltage	I <sub>max</sub>	µA	250
Connection type			neXt® - plug-in
Grid width (tip distance)		mm	25
Available total lengths	L	mm	990 - 3990*

### DETAILS

Effective distance (possible / optimal)		mm	10-400 / 20-100
Min. distance to metal areas (lateral / in operating direction)		mm	10 / 40
Air consumption (length 1.0m) at 0.2 -1.0bar		m <sup>3</sup> /h	4.5 - 26.5
Air connection		mm	Ø 8.0
Max. available high voltage cable length		m	120
- 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

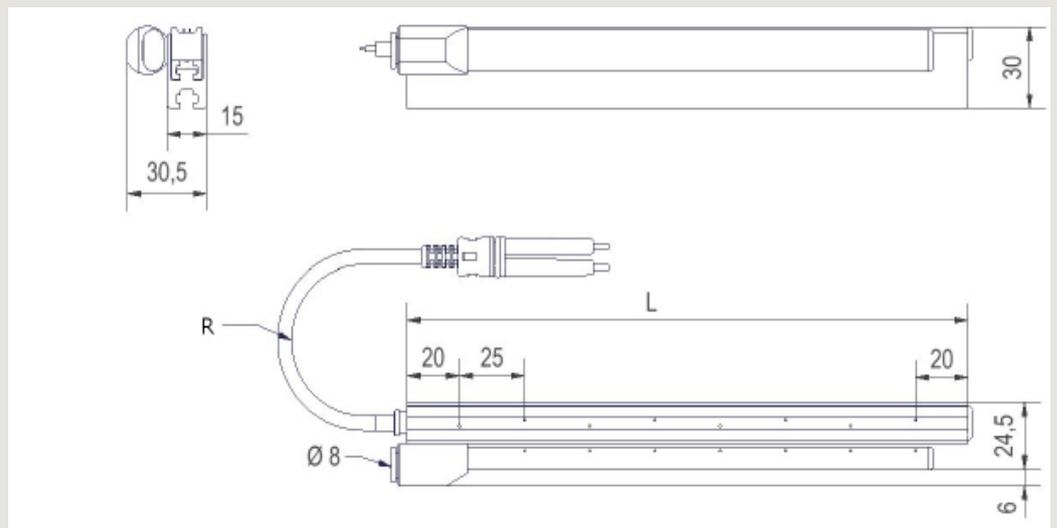
Temperature during transport and storage	T	°C / °F	-25- +85 / -13- +185**
Temperature during operation	T	°C / °F	+5- +80 / +41- +176***
Relative humidity / with compressed air ( non-condensing)	RH	%	<80 / <60

### 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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