

HAUG Ionization – for the elimination of electrostatic charges



Illustration 1: EI DC

Ionizing unit EI DC

The EI DC is an excellent choice for use in fast running processes or for neutralizing high electrostatic charges. Due to the direct voltage technology employed, it provides a high discharging output. Its GRP section makes the EI DC torsionally extremely stiff and allows the production of large bar lengths.

Principle of operation

The ionizing units of the DC Line continuously supply positive and negative ions. Due to the direct ion output, the ionizing unit is able to reach a high discharging performance for the neutralization of electrostatic charges. The use of tungsten pins characterized by a long service life make the EI DC a particularly robust ionizing unit: light contamination of the pin strip has little impact on the effectiveness of the ion output. The EI DC is operated with the discharging power pack EN 1 DC.

Properties

- High-strength GRP section with T-slot
- Flexible high-voltage silicone-sheathed cable
- Long-life ionizing pins made of tungsten
- Neutralization of high electrostatic charges
- Long reaches of up to 100 mm
- Ideal for the use in fast running processes.

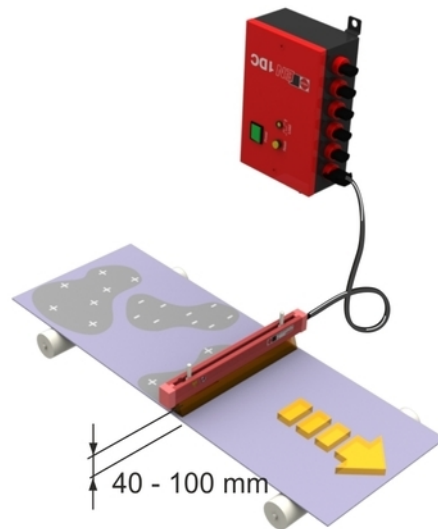


Illustration 2: Application example

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Examples of applications

The high discharging output of the **EI DC** allows the bar to be used for fast-running processes (material webs up to 400 m/min) or for neutralizing surfaces with high electrostatic charges.

The **EI DC** has a reach of up to 100 mm. It is therefore particularly suited to mounting situations where it is not possible to approach the surface to be discharged down to 30 mm.

Its high-strength GRP section makes the **EI DC** torsionally very stiff. Only very few mounting points are needed even for a long ionizing bar for installation in a production system – a T-slot provided at the back of the bar offers much freedom to the installer.

The silicone-sheathed HV cable allows small bending radii to be achieved during installation and is insensitive to shocks and movements – for example in handling systems. The DC Line is suitable for a total HV cable length of 50 m. In combination with the discharging power pack **EN 1 DC** which is operated with 24 V direct voltage, an ionization system for highly flexible use is achieved.

Technical data ^{*)}

Type:	EI DC
Order no.: <small>(with axial cable connection)</small>	03.5067.000
Dimensions: <small>(W x H)</small>	18 x 25 mm
Length:	80 — 2000 mm
Optimal operating distance:	40 — 100 mm
Effective length: <small>(Bar length minus)</small>	- 60 mm
Smallest bending radius: <small>(HV-Cable)</small>	R = 20 mm
Operating temperature:	+5 — +45 °C
Storage/transport temperature :	-15 — +60 °C

^{*)} subject to technical changes!

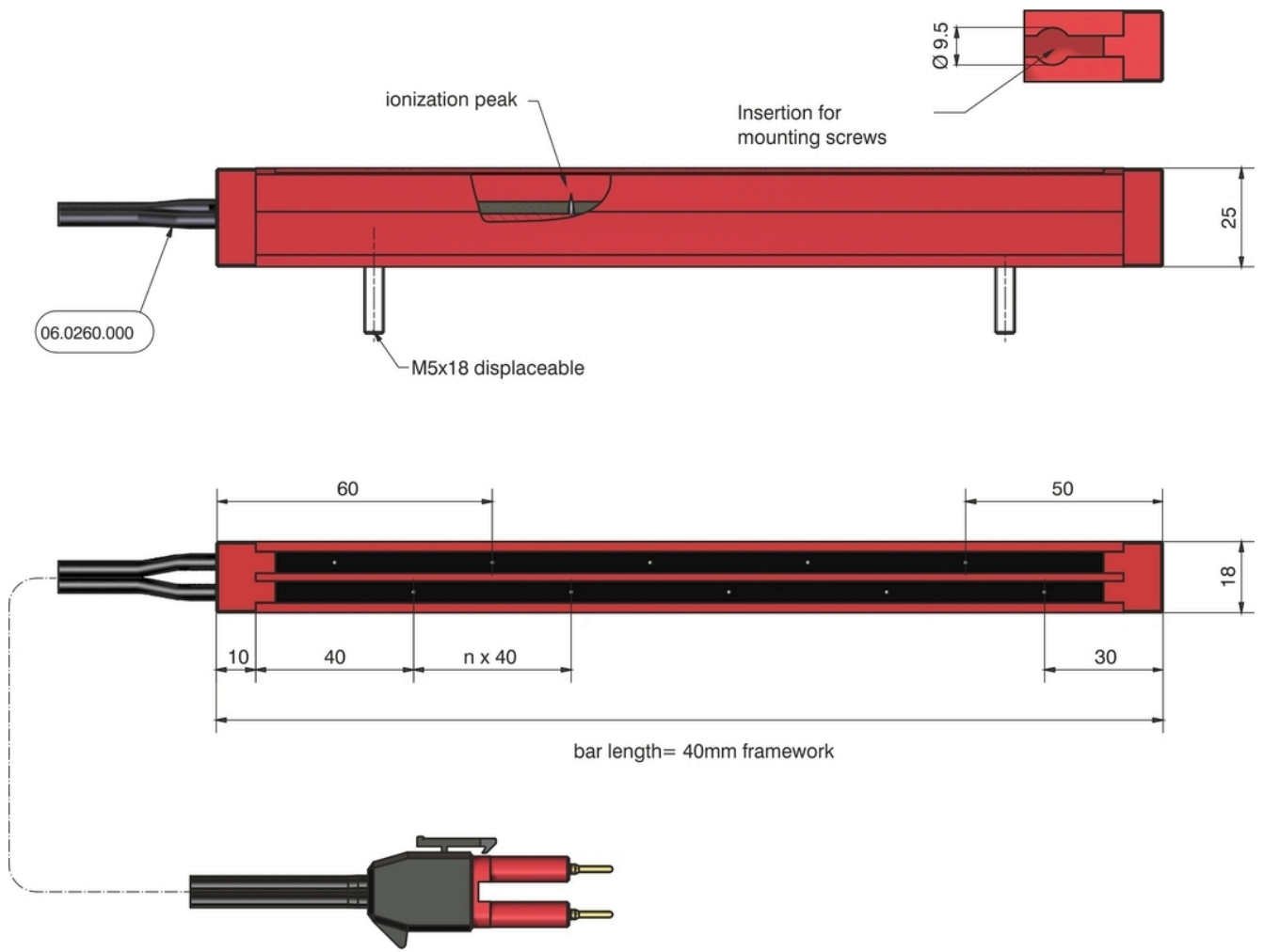


Illustration 3: EI DC, engineering drawing

