SE-HSIN-35-SN-C High Speed Air Ionizer — Standard Nozzle

Compact 24 V DC ionized-air nozzle for spot cleaning and static elimination in machines and automated systems



KEY DATA

Power supply
24 V DC via M12 connector · 0.4 A · max. 9 W

Air pressure — dry filtered air
6 bar

Compressed air consumption
320 L/min (changes with the nozzle attached)

Air flow speed
14 m/s (changes with the nozzle attached)

Overview

The SE-HSIN series antistatic air nozzle is designed for industrial environments where electrostatic charges and surface contamination must be controlled. It neutralises static electricity and removes dust, particles and other contaminants from target surfaces with ionized compressed air.

Key features

- Compact design for space-constrained installations
- Easy integration into machinery and automated systems
- Long-life tungsten emitter
- 24 V DC supply via M12 connector — 0.4 A, max. 9 W
- Hose connection adapters from 100 to 300 mm
- Adjustable slotted mounting bracket
- Status LEDs: H.V, OK, status, power

Technical specifications

Product code	SE-HSIN-35-SN-C (standard nozzle)
Power supply	24 V DC via M12 connector · 0.4 A · max. 9 W
Air connection	6 mm hose
Air pressure — dry filtered air	6 bar
Inlet pressure	6 bar
Compressed air consumption	320 L/min (changes with the nozzle attached)
Air flow speed	14 m/s (changes with the nozzle attached)
Inline lance (nozzle tube)	Perforated tube on the hose connection adapter · 100 / 150 / 200 / 250 / 300 mm (FG-AC-0070 … FG-AC-0074)
Noise level	83 dB (changes with the nozzle attached)
Cable	4-pin M12 cable (sold separately)
Power connector	M12, 5-pin male — use a 4-pin M12 cable

Status LEDs	H.V · OK · Status · Power
Emitter	Tungsten — long life
Housing dimensions	115.5 × 24 × 49.5 mm (without hose adapter)
Environment	Clean, dry and oil-free · 0 – 50 °C · 70 % rH non-condensing max.
Safety	Shockless, pin current < 250 µA · transformer current max. 5 mA (with fuse)
EMC compliance	2014/30/EU — EMC Directive
Electrical safety	2014/35/EU — Low Voltage Directive

Accessories

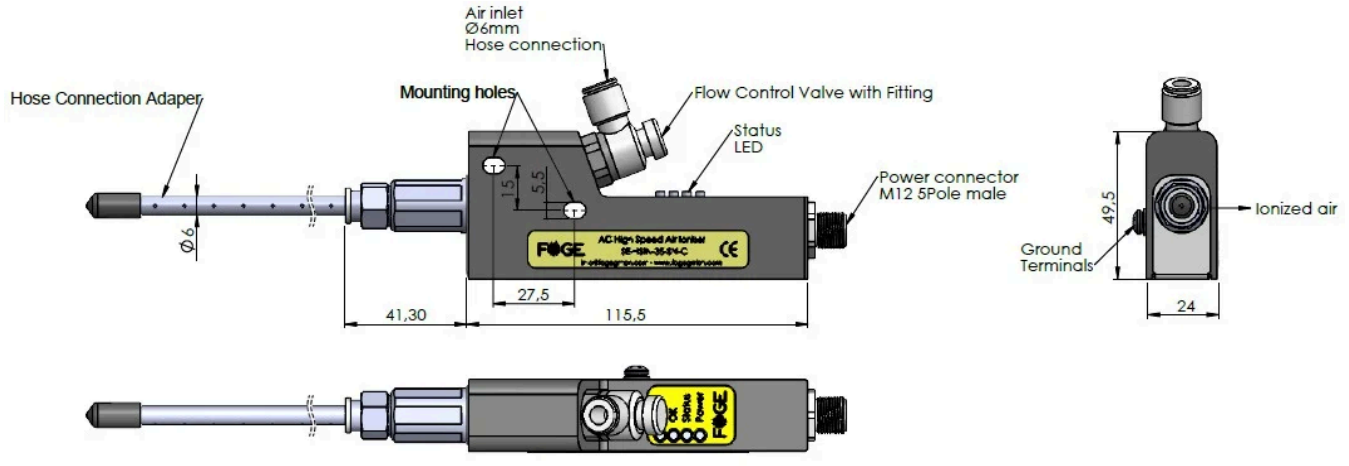
Ordering code	Accessory
FG-AC-0070	Hose connection adapter 100 mm
FG-AC-0071	Hose connection adapter 150 mm
FG-AC-0072	Hose connection adapter 200 mm
FG-AC-0073	Hose connection adapter 250 mm
FG-AC-0074	Hose connection adapter 300 mm
FG-AC-0075	Mounting bracket

Electrical connection — M12 pin assignment

Pin	Function
1	+24 V DC (brown)
2	Not used (white)
3	24 V – / GND (blue)
4	Not used (black)
5	Protective earth, PE (yellow/green)

Pin assignment as in the SE-HSIN-35-SN-C dimensional drawing.

Dimensional drawing



Dimensional drawing of the SE-HSIN-35-SN-C: housing 115.5 × 24 × 49.5 mm, hose connection adapter, ø 6 mm air inlet, flow control valve, status LED, M12 5-pole male connector, ground terminals

Complete system — what you need

SE-HSIN-35-SN-C ionizer	Standard nozzle version
24 V DC power supply + 4-pin M12 cable	24 V DC, 0.4 A, max. 9 W via the M12 connector
Compressed air supply	Dry, filtered air at 6 bar via 6 mm hose
Grounding cable	Connect to the grounding point on the front of the device

Product information and ordering: sales@fogegmbh.com · +49 9372 9809477 · foge-antistatic.com