SE-ACB-55 Compact AC Antistatic Bar – 5.5 kV

High-speed, compact static elimination for industrial production lines



KEY DATA

Ionization voltage
5.5 kV

Ionization range
25 – 100 mm

Max. line speed
500 m/min

Ordering length
100 – 4500 mm

Overview

The FÖGE SE-ACB-55 is a compact, economical AC antistatic bar purpose-built for high-speed industrial production lines that require reliable static charge neutralisation in confined installation spaces. Operating at 5.5 kV in combination with an external SE-PAC AC high-voltage power unit, it generates a continuous field of positive and negative ions that neutralise static electricity on materials such as plastic film, paper, foil and textiles.

Key features

- Compact OEM bar design — fits into space-constrained machine layouts
- 5.5 kV AC ionization voltage — reliable static elimination across standard production environments
- Ionization range up to 100 mm
- Effective at line speeds up to 500 m/min
- Shockless operation — pin current < 50 µA, safe for operators
- Stainless steel emitter pins — long service life and corrosion resistance
- Washable housing — easy to clean, suitable for dusty and humid environments
- Screened HFFR-protected cable — flame-retardant, EMI-resistant
- Plug-and-play HV connector — fast, tool-free installation and removal
- Up to 4 bars connectable to a single SE-PAC power unit
- Orderable in any length from 100 mm to 4500 mm
- Optional cable lengths from 1 m up to 12 m (SE-CAB-AC-1)

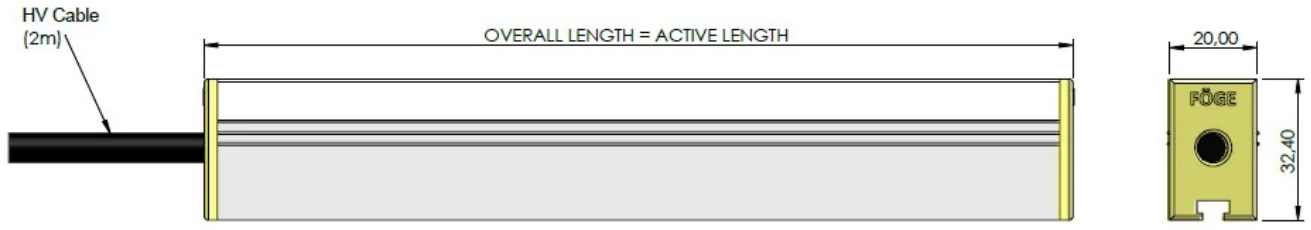
Technical specifications

Product code	SE-ACB-55-xxxx (length in mm added to code, e.g. SE-ACB-55-0300)
Compatible power unit	SE-PAC-55-2-C (2 outputs) · SE-PAC-55-4-C (4 outputs)
Ionization type	High voltage AC — shockless
Ionization voltage	5.5 kV
Ionization range	25 – 100 mm *
Max. line speed	500 m/min
Ordering length	100 – 4500 mm
Pin current (safety)	< 50 µA (shockless — safe for operators)

Emitter pin material	Stainless steel (long service life)
Polarity	Alternating AC
Operating temperature	Max. 60 °C
Max. humidity	70 % rH, non-condensing
Protection class	IP66 — fully sealed
Standard cable	C2 — 2 m HFFR-protected flex cable with HV connector
Optional cable	SE-CAB-AC-1 — non-standard cable 1 m, orderable up to 12 m
Housing	Washable, rugged industrial-grade body
EMC compliance	2014/30/EU — EMC Directive
Electrical safety	2014/35/EU — Low Voltage Directive
Bars per power unit	Up to 4 bars per SE-PAC power unit

* Ionization range measured at standard conditions (20 °C, 50 % rH). Effective range may vary with ambient humidity, temperature and line speed.

Dimensional drawing



Dimensional drawing of the SE-ACB-55 AC antistatic bar: profile 20.00 × 32.40 mm, overall length equals active length, 2 m HV cable

Complete system — what you need

SE-ACB-55 antistatic bar	Main ionization bar — order in the required length (100 – 4500 mm)
SE-PAC-55-2-C power unit	2-output AC high-voltage power unit — powers up to 2 SE-ACB-55 bars
SE-PAC-55-4-C power unit	4-output AC high-voltage power unit — powers up to 4 SE-ACB-55 bars
Mounting brackets (optional)	Standard and custom brackets available — contact FÖGE for options
Extended cable (optional)	SE-CAB-AC-1: non-standard cable from 1 m to 12 m for flexible installation
Maintenance kit	FÖGE Antistatic Maintenance Kit — cleaning tools and spare emitter pins

Application examples



Bag Making Machine (Stacking / Delivery Section)

Automated high-speed production, cutting, and organized stacking of flexible plastic bags, sacks, or pouches.

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