Keyence SJ-E180L

Model: SJ-E180L
Brand: Keyence
Series: SJ-E series

Small flow model bar-type static eliminator (ionizer) with corona discharge.

—— Hardware ——
Product type: Bar-type static eliminator (small flow model)
Ion generation method: Corona discharge method
Structure: Shockless resistive coupling type
Voltage application: Pulse AC method, ±8000 V applied voltage
Ion balance control: Hi-Power I.C.C. method
Ion balance: ±30 V (measured at 300 mm or more, 0.2 MPa air pressure)
Installation distance: 50 to 2000 mm
Number of electrodes: 29
Effective length (static elimination range at 50 mm): 1880 mm
Total length: 1760 mm

—— Communication ——
Built-in ports: None
Protocols: Remote control communication
Communication expansion: None

—— Electrical ——
Supply voltage: 24 to 36 VDC ±10%
Current consumption: 700 mA (at 24 V), 500 mA (at 36 V)
Output type: NPN open collector (ion level warning, condition warning, alarm output)
Control input: Static elimination stop input (NPN open collector or contact point)
Control output: NPN open collector, 100 mA maximum (40 VDC or less)
Air connection port: Rc 1/8
Air supply pressure: 0.1 to 0.5 MPa (recommended 0.2 MPa)
Overvoltage category: I
Pollution degree: 2

—— Environmental ——
Operating temperature: 0 to +40 ° C
Relative humidity: 35 to 85 % RH (No condensation)
Protection rating: Not available

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—— Physical ——

Dimensions (H×W×D): Not available (total length 1760 mm)

Weight: 1.90 kg

Electrode probe material: Tungsten

Main body material: ABS/PBT/PP/LCP/PPS/SPS/SUS

—— Lifecycle ——

Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09)

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