IZT40/41/42, Bar Type Ionizer, Separate Controller and Power Supply Module

IZT40-82D38HR-3BU

Datasheet

General series information

- IZT40: Basic type / IZT41: AC type / IZT42: Dual AC type
- IZT41/IZT42: Compatible with IO-Link
- Potential amplitude: As low as 25 V or less
- Rapid neutralisation of static electricity: As fast as 0.1 s
- Compact: Height 37 mm x Width 30 mm
- One controller can control a maximum of 4 ionizers
- Monitor and operate bars which are installed in an inaccessible location
- Multiple alarms & functions.

Standard specifications

Model	40 (Standard)
Bar Length	82 (820mm)
Emitter Cartridge, Material	D (High Speed De-ionizing Cartridge, Tungsten)
High-voltage Cable Length	3 (3m)
One-touch fitting	8H (ø8 Straight)
Plug Position	R (Opposite Side of High-voltage Cable)
Input/Output Specifications	None (40); NPN (41, 42)
Power Supply Cable Length	3 (3m)
Communication Cable Entry Direction/Length	None
Bar Bracket	B (w/Bracket 1)
DIN Rail Bracket for Controller and High-voltage Power Supply	U (Controller: Included; High-voltage Power Supply: Included)
Option	Standard
Maximum operating pressure	0.5 MPa or less
Proof pressure	0.7 MPa

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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Maximum ambient temperature	40 °C
Minimum ambient temperature	0 °C
Approvals	CE
Power supply	24 VDC ±10%
Current consumption	0.7 A or less
Material	Cover: ABS, Emitter cartridge: PBT, Emitter: Tungsten or Single crystal silicon, High-voltage cable: Silicone rubber, PVC
Applicable fluid	Air (Clean dry air)
Ion generation method	Corona discharge type
Method of applying voltage	AC, DC
Applied voltage	±7000 V
Ambient humidity	35 to 80%RH (No condensation)
Offset voltage	Within ±30 V
Effective static neutralization distance	50 to 2000 mm

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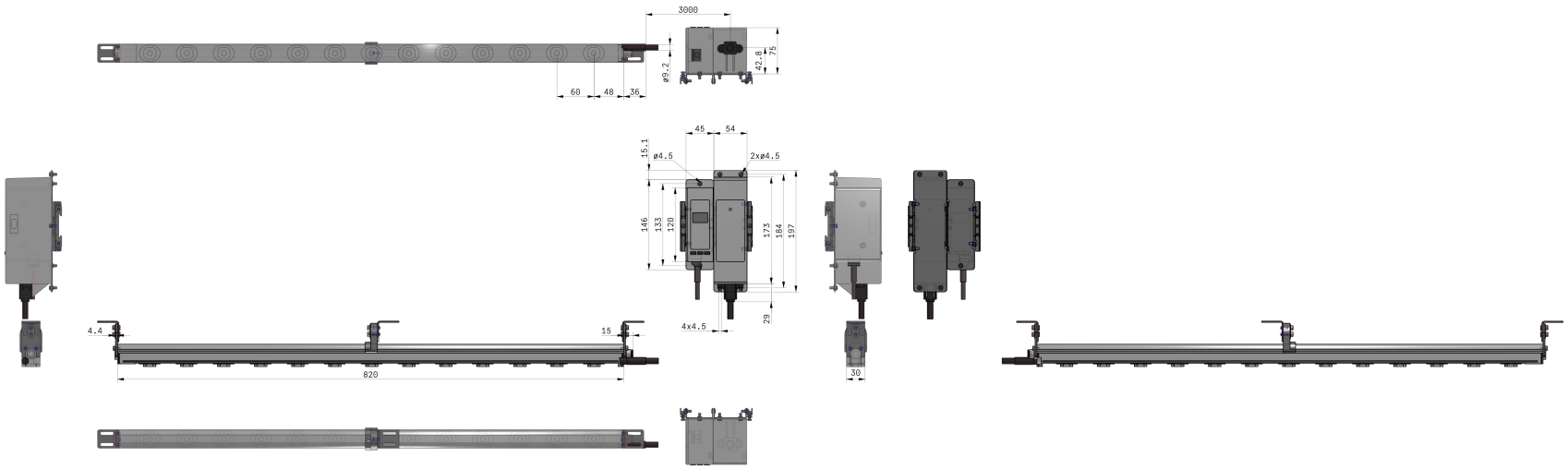
Dimensions



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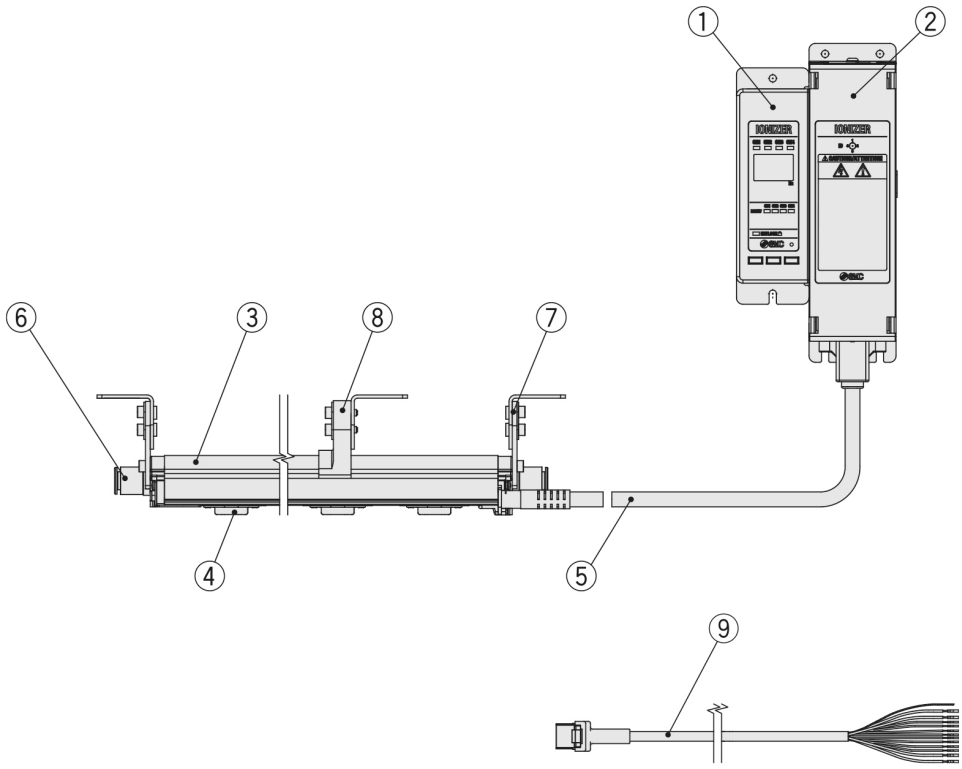
Constructions



No.	Description
1	Controller
2	High voltage power supply module
3	Bar
4	Emitter cartridge
5	High voltage cable
6	One-touch fitting
7	End bracket
8	Intermediate bracket
9	Power supply cable

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Additional information

Catalogue	IZT40-41-42-43-D_EU.pdf
Declaration of conformity	newDoC_IZT_TF122006EN.pdf newDoC_IZx_TFV0004EN.pdf
Installation manuals	IM_IZTx_TF2Z267EN.pdf
Operation manuals	OM_IZT-L_OMZ0045EN-A.pdf OM_IZT41-42-L_OMT0049EN-E.pdf

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