

DATASHEET

FHSD8075

Edwards MiniLaser

MAIN FEATURES

- Edwards MiniLaser

Product image is not available

TECHNICAL SPECIFICATIONS

Power supply

Operating voltage	18 to 30 VDC
Current consumption	120 mA - fan speed 1 180 mA - fan speed 4 (default speed) 230 mA - fan speed 6 365 mA - fan speed 10

Inputs / outputs

Input quantity	1
Input type and rating	Supervised
Output quantity	3
Output type and rating	Voltage free (contact rating 2 A at 30 VDC / NO/NC/C)

Physical characteristics

Inlet size	27 or 25 mm (1.06 or 0.98 in) outer diameter
Exhaust size	27 or 25 mm (1.06 or 0.98 in) outer diameter
Physical dimensions	W x D x H 165 x 133.5 x 300 mm (6.5 x 5.25 x 11.8 in)
Net weight	2.15 Kg (4.7 lb.)
Colour	Grey-white (RAL 9002)
Mounting type	DIN-rail, Surface mount
Cable entry size	20 mm (0.5 in) - top and bottom

Environmental characteristics

Operating temperature	Equipment:-10 to +60°C (14 to +140°F) Sampled air:-40 to +60 °C (-40 to +140 °F) with sampled air heated to operational temperature of at least -10°C (14°F)
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TECHNICAL SPECIFICATIONS

Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP40
Other characteristics	
Status indication	LED's
User interface	Alarm and fault indicators, with smoke bar graph display
Alarm levels	4 (Aux, Pre-alarm, Alarm and Alarm 2)
Event log	20 000
Connectivity	USB (USB-C)
Detection principle	Laser light scattering mass detection and particle evaluation
Sensitivity	0.002 %obs/m to 25 %obs/m (0.0006 %obs/ft to 7.62 %obs/ft)
Coverage area	Up to 1600m ² (subjected to local approvals and installation standards)
Particle sensitivity range	0.003 to 10 microns
Length	Up to 125 m (410 ft.) combined per detector module
Quantity sampling holes	Up to 10 - Class A per detector module Up to 20 - Class B per detector module Up to 35 - Class C per detector module
Inlet location	Top or bottom
Exhaust location	Top or bottom
Inlet quantity	1
Termination	15 KΩ 5% 1/4 W
Programmable	Yes
Cable entries	4 at the bottom, 2 at the rear, 5 at the top
Detector module orientation	Vertical (0 deg or 180 deg)
Compliance	REACH, RoHS
Certification	CPR, EN54-20
Sampling period	Adjustable between 1s and 60 s
Capacity	1 months @ 1s / Up to 5 years @ 60 s
Values recorded	Detector value, 4 alarm level values, flow value and temperature (all simultaneously)
Category	Reference
Detection device	9-30520