

Fan module

MSR 131



The fan module is an exchangeable unit. Here, a radial fan is mounted on a circuit board. The side intake air is distributed through an air duct in the 19" housing. The fan is activated over the module carrier. To avoid misplugging, a DIN connector (connection to the module carrier) is offset from I/O base or interface module.

Technical Data

Fan performance data

Type	Side intake DC radial fan	
Nominal voltage	24 V	
Rotation speed	4400 min ⁻¹	
Speed signal	Yes	
Volume flow	28 m ³ /h	
Lifespan at 40 °C	60,000 h	
Lifespan at 70 °C	30,000 h	

Consumables

Filter mat	65 mm x 65 mm type P12-150B (1.6 m ² , RS order number 229-251)
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Miscellaneous

Article number	18-001-131	
Hardware version	1.x	

Environmental conditions

Storage temperature	-30 – +85 °C	
Operating temperature	0 – +60 °C	
Humidity	0 - 95 %, uncondensed	
EMV stability	According to EN 61000-6-2:2001 (industrial area)	
Shock resistance	EN 60068-2-27	150 m/s ²
Protection Type	EN 60529	IP 20

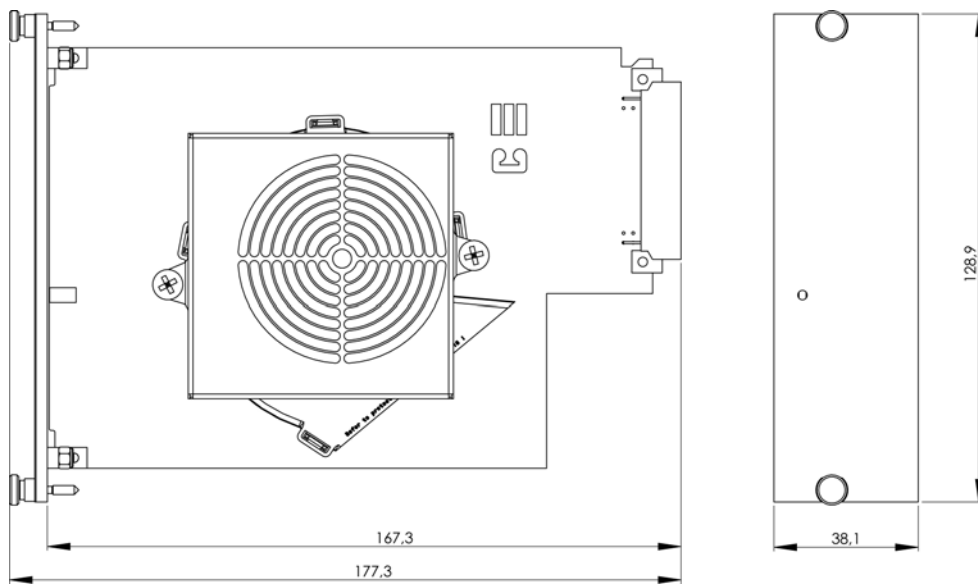
Fan Control

The highest temperature of all temperature sensors in the I/O or base modules in the entire system controls the rotation speed of the fan.

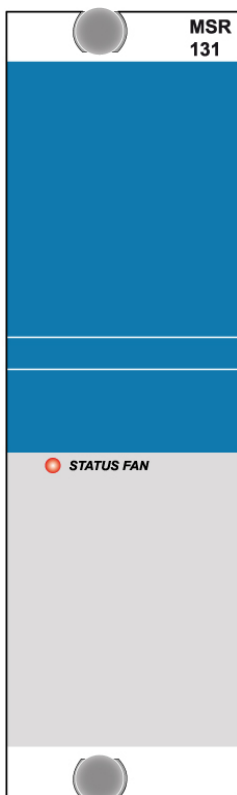
Temperature value limits

Activation (fan)	65 °C
Controller	12 speed levels (65 °C – 105 °C)
Deactivation (fan)	55 °C
Alert threshold	105 °C
LVDS-Reset	110 °C
Shutdown Base	115 °C

Mechanical Dimensions



Status display



LED number	LED color	Definition
1	RED	Fan status OFF: Fan OK RED: Fan error

