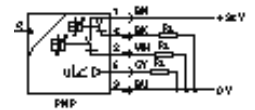


# Flow sensor MS6-SFE-F5-P2U-M12

Part number: 538422

FESTO

Blockable with MS6 service unit.



## Data sheet

Feature	Value
CE mark (see declaration of conformity)	to EU directive for EMC
Measured variable	Flow rate Consumption
Direction of flow	Unidirectional P1 -> P2
Measuring principle	Thermal
Measurement method	Heat Loss
Flow rate measuring range	200 ... 5,000 l/min
Flow measurement range initial value	200 l/min
Flow measurement range final value	5,000 l/min
Operating pressure	0 ... 16 bar
Ambient temperature	0 ... 50 °C
Medium temperature	0 ... 50 °C
Nominal temperature	23 °C
Operating medium	Air quality class 5:4:3 as per DIN ISO 8573-1 Nitrogen
Accuracy	+/- (3% o.m.v. + 0,3% FS)
Reproducibility of switching value	+/- (0,8% o.m.v. + 0,2% FS)
Reproducibility of the analogue value	+/- (0,8% o.m.v. + 0,2% FS)
Switch output	2xPNP
Switching function	Window comparator Threshold value with variable hysteresis
Switching element function	Normally closed contact Normally open contact
Max. output current	≤ 100 mA
Residual current	≤ 0.05 mA
Analogue output	0 - 10 V
Load resistance	≥ 10 kOhm
Short circuit strength	Yes
Operating voltage range DC	15 ... 30 V
Electrical connection	Plug straight M12x1 5-pin
Connector pin assignments per standard	EN 60947-5-2
Mounting type	on service unit
Assembly position	Horizontal
Pneumatic connection	Sub-base
Product weight	600 g
Type of display	Display optimised illuminated LCD
Unit(s) that can be displayed	l l/min m <sup>3</sup>
Protection class	IP65
Corrosion resistance classification CRC	2