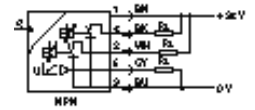


Flow sensor MS6-SFE-F5-N2U-M12

Part number: 538424

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	2xNPN
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 ³
Protection class	IP65
Corrosion resistance classification CRC	2