Part number: 8035300



## **Data sheet**

Feature	Value
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS-compliant
Measured variable	Mass flow rate Volumetric flow rate
Flow direction	Bidirectional Unidirectional
Measuring principle	Thermal
Measurement method	Heat transfer
Start value for flow rate measuring range	0.002 l/min4 l/min
End value for flow rate measuring range	0.1 l/min200 l/min
Operating pressure	-0.9 bar10 bar
Operating medium	Argon Compressed air to ISO 8573-1:2010 [6:4:4] Nitrogen
Media temperature	0 ℃50 ℃
Ambient temperature	0 ℃50 ℃
Nominal temperature	23 °C
Accuracy of flow rate	± (2% o.m.v. + 1% FS)
Repetition accuracy offset in ± %FS	0.2 %FS
Repetition accuracy span in ± %FS	0.8 %FS
Temperature coefficient span in ± %FS/K	Typ. 0.15%FS/K
Pressure influence span in ± %FS/bar	1 %FS/b.
Switching output	2 x PNP or 2 x NPN, switchable
Switching function	Window comparator Threshold value comparator Auto difference monitoring
Switching element function	N/C or N/O contact, switchable
Max. output current	100 mA

0 - 10 V
4 - 20 mA 1 - 5 V
-200 l/min
200 l/min
500 Ohm
20 kOhm
yes Available
IO-Link®
Device V 1.1
Smart sensor profile  Binary data channel (BDC)
Process data variable (PDV) Identification Diagnostics Teach channel
COM2 (38.4 kBaud)
Yes
A
3 bytes
1 bit BDC (volume monitoring) 14 bit PDV (measured flow value) 2 bit BDC (flow monitoring)
32-bit volume/mass measurement
4 ms
0,5 kB
22 V26 V
For all electrical connections
Plugs
Connection pattern L1J M8x1, A-coded, to EN 61076-2-104
4
With accessories
optional
Female thread G1/8 Female thread G1/4 For tubing O.D. 4 mm For tubing O.D. 6 mm For tubing O.D. 8 mm
Straight Angled, adjustable
60 g90 g
PA-reinforced
Anodised wrought aluminium alloy Epoxy NBR PA-reinforced Silicon Silicon nitride High-alloy stainless steel
Illuminated LCD, multi-colour
g g/min l l/h l/min scft scft/h scft/min

Feature	Value
Protection against tampering	IO-Link PIN code
Degree of protection	IP40
Pressure drop	5 mbar56 mbar
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils