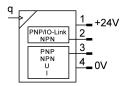
## Flow sensor SFAH-1U-Q4S-PNLK-PNVBA-L1 Part number: 8058465







## **Data sheet**

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-	0 bar
rating medium Argon Compresse Nitrogen	ed air as per ISO 8573-1:2010 [6:4:4]
perature of medium 0 °C50 °C	-
ient temperature 0 °C50 °C	-
inal temperature 23 °C	
racy of flow rate ± (2% o.m.	v. + 1% FS)
point repetition accuracy in ± %FS 0.2 %FS	
etition accuracy margin in ± %FS 0.8 %FS	
perature co-efficient margin in ± %FS/K typ. 0.15%	FS/K
sure influence of margin in ±%FS/bar 1 %FS/b.	
ching output 2 x PNP or	2 x NPN switchable
	omparator value comparator ence monitoring
ching element function N/C contact	
output current 100 mA	ct/N/O contact switchable

Feature	Value
Analog output	0 - 10 V
	4 - 20 mA 1 - 5 V
Flow characteristic curve. start value	
,	0 l/min
Flow characteristic curve, end value	1 l/min
Max. load resistance of current output	500 Ohm
Min. load resistance of voltage output	20 kOhm
Short-circuit protection	yes
Overload protection	Available
Protocol	IO-Link®
IO-Link®, protocol version	Device V 1.1
IO-Link®, profile	Smart sensor profile
IO-Link®, function classes	Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel
IO-Link®, communication mode	COM2 (38,4 kBd)
IO-Link®, SIO mode support	Yes
IO-Link®, port class	A
IO-Link®, process data width IN	3 Byte
IO-Link®, process data content IN	1 bit BDC (volume monitoring) 14 bit PDV (flow measurement) 2 bit BDC (flow monitoring)
IO-Link®, service data contents IN	32 bit volume/mass measurement
IO-Link®, minimum cycle time	4 ms
IO-Link®, data memory required	0,5 kB
DC operating voltage range	22 V26 V
Idle current	25 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	Connection diagram L1J
Electrical connection 1, number of pins/wires	4
Type of mounting	With accessories
Mounting position	Any
Pneumatic connection	For pneumatic tubing outside diameter 4 mm
Pneumatic connection, outlet direction	Straight
Product weight	60 g
Housing material	PA-reinforced
Materials in contact with the media	Wrought aluminum alloy, anodized Epoxy NBR PA-reinforced Silicon Silicon nitride High-alloy stainless steel
Display type	Illuminated LCD, multi-color
Displayable unit(s)	g g/min l l/h
	l/min scft scft/h
Setting options	IO-Link® Teach-in Via display and pushbuttons
Protection against tampering	IO-Link® PIN code

Feature	Value
Degree of protection	IP40
Pressure drop	5 mbar
Protection class	III
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L