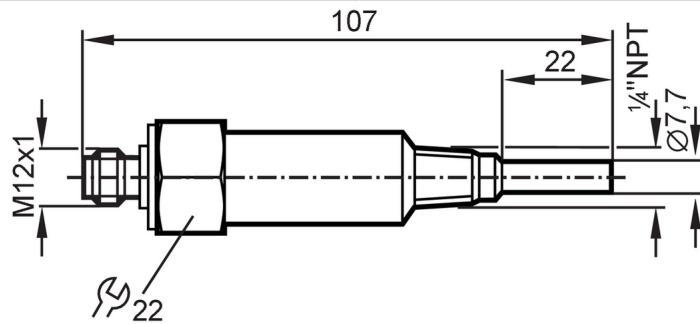


SC0516



Flow monitor

SCN14HBBAKOA



1 Tightening torque < 50 Nm with stainless steel adapter / ANSI B1.20.1



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	threaded connection 1/4" NPT external thread

Application

Media	water
Medium temperature [°C]	-10...80; (In case of medium temperatures <4 °C the data refer to water / glycol (40% glycol).)
Pressure rating	30 bar 3 MPa

Electrical data

Operating voltage tolerance [%]	-15...15
Operating voltage [V]	< 24 AC / 24 DC; (to SELV/PELV)
Current consumption [mA]	< 50
Protection class	III
Reverse polarity protection	no
Power-on delay time [s]	15

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 1
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Outputs

Total number of outputs	1
Output signal	switching signal
Number of digital outputs	1
Output function	normally open
Max. voltage drop switching output DC [V]	0.8
Permanent current rating of switching output AC [mA]	80
Permanent current rating of switching output DC [mA]	80
Contact rating	30 V AC / 42 V DC; (according to EN 50178 SELV/PELV)
Short-circuit protection	no
Overload protection	no

Measuring/setting range

Werkseinstellung Wert [cm/s]	20
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Flow monitor

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Note on factory setting		for water (20 °C) and mounting in 2" pipe
Set point SP	[cm/s]	10...60
Adjustable switch point		yes
In steps of	[cm/s]	5

Response times

Response time	[s]	1...10
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Software / programming

Parameter setting options		Switch point can be set via programming wire
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Operating conditions

Ambient temperature	[°C]	-20...70
Storage temperature	[°C]	-40...70
Protection		IP 67

Tests / approvals

Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
MTTF	[years]	531

Mechanical data

Weight	[g]	140.5
Housing		cylindrical
Dimensions	[mm]	Ø 22 / L = 107
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection 1/4" NPT external thread
Probe diameter	[mm]	7.7
Installation length EL	[mm]	22

Electrical connection

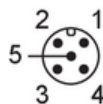
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
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Remarks

Pack quantity		1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A; Contacts: 5



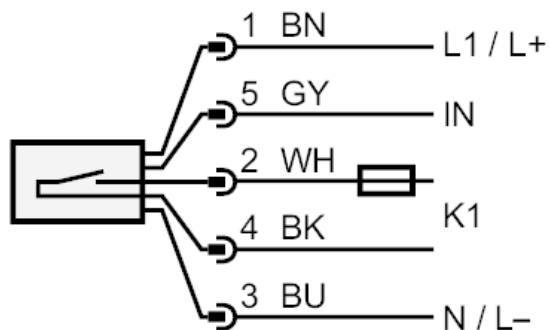
SC0516



Flow monitor

SCN14HBBAKOA

Connection



IN: programming input

K1: relay

Note miniature fuse to IEC60127-2 sheet 1 \leq 2 A fast acting

colours to DIN EN 60947-5-2

Core colours :

BK = black
BN = brown
BU = blue
GY = grey
WH = white