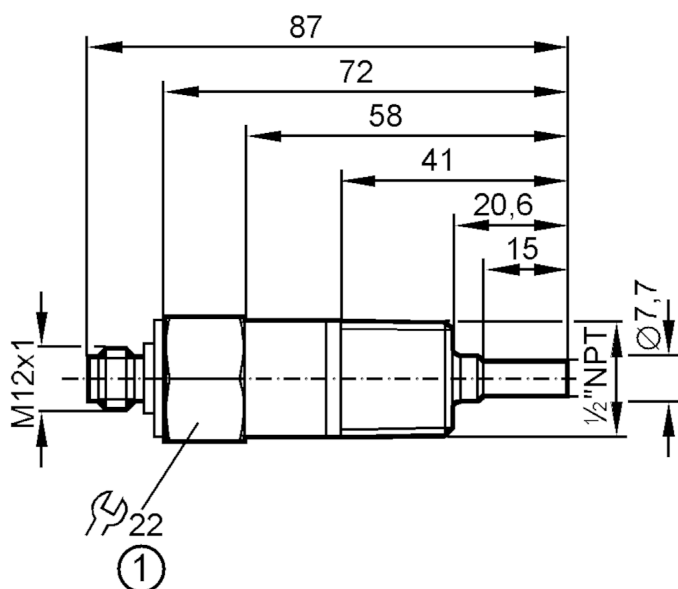


SC050R

Flow monitor

SCN12FFBBBOA



1 Tightening torque < 100 Nm with stainless steel adapter / ANSI B1.20.1



Application		
Media		water
Medium temperature	[°C]	-10...60; (In case of medium temperatures < 4 °C the data refer to water / glycol (40 % glycol).)
Pressure rating	[bar]	25
Electrical data		
Operating voltage tolerance	[%]	-15...15
Operating voltage	[V]	< 24 AC / 24 DC
Current consumption	[mA]	< 50
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	15
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1

SC050R



Flow monitor

SCN12FFBBBOA

Outputs		
Total number of outputs	1	
Output signal	switching signal	
Electrical design	PNP	
Number of digital outputs	1	
Output function	normally open	
Max. voltage drop switching output DC [V]	0.8	
Permanent current rating of switching output DC [mA]	80	
Short-circuit protection	no	
Overload protection	no	
Measuring/setting range		
Note on factory setting	for water (20 °C) and mounting in 4" pipe	
Note on switch point	in steps of 5 cm/s	
Response times		
Response time [s]	1...10	
Software / programming		
Parameter setting options	switch point can be set via programming wire	
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]	215	
Mechanical data		
Weight [g]	125	
Materials	stainless steel (1.4404 / 316L)	
Materials (wetted parts)	stainless steel (1.4404 / 316L)	
Process connection	1/2 NPT	
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; Maximum cable length: 10 m		

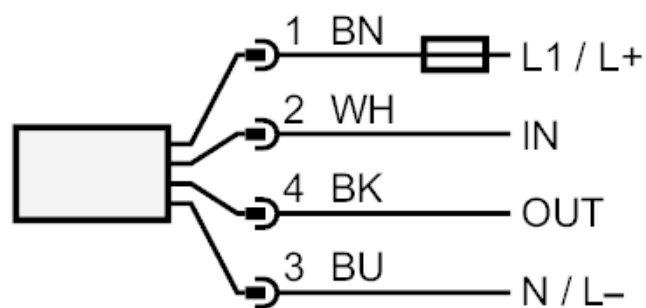
SC050R

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Connection



IN: programming input

OUT: switching output

Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting
colours to DIN EN 60947-5-2

Core colours :

BK = black

BN = brown

BU = blue

WH = white