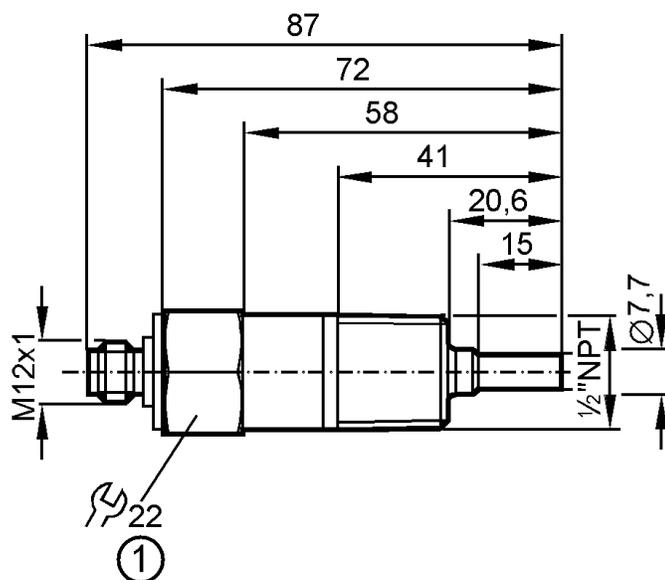


efector300**SC0505**

SCN12FFBABOA

Flow sensors



1: Tightening torque max. 100 Nm (with stainless steel adapter) or according to ANSI B1.20.1

**Product characteristics**

Flow monitor

Compact type

Process connection: 1/2" NPT

Switch point can be set via programming wire:

10...60 cm/s
in steps of 5 cm/s;
in addition min (< 10 cm/s) and max (> 60 cm/s)

Factory setting

15 cm/s

(to water (20 °C) and mounting in 4" pipe)

Application

Application	water
Pressure rating [bar]	25
Medium temperature [°C]	-10...60 *)

Electrical data

Electrical design	AC/DC
Operating voltage [V]	24 AC / 24 DC ¹⁾ ± 15% (AC: 47...63 Hz)
Withstand voltage [V DC]	500
Current consumption [mA]	< 50
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Current rating [mA]	45 AC / 65 DC
Voltage drop [V]	< 0.8
Contact rating	30 V AC / 42 V DC
Short-circuit protection	no
Overload protection	no

Reaction times

Power-on delay time [s]	15
Response time [s]	1...10

Environment

MAWP (for applications according to CRN) [bar]	25
Ambient temperature [°C]	-20...70
Storage temperature [°C]	-40...70
Protection	IP 67

Tests / approvals

EMC	DIN EN 60947-5-9	
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF [Years]	532	

Mechanical data

Process connection	½" NPT	
Materials (wetted parts)	stainless steel 316L / 1.4404	
Housing materials	stainless steel 316L / 1.4404	
Weight [kg]	0.13	

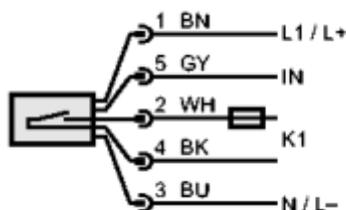
Electrical connection

Connection	M12 connector	
Max. cable length [m]	10	

Wiring

Core colours

BK	black
BN	brown
BU	blue
GY	grey
WH	white



IN: programming input

K1: Relay

Note: miniature fuse to IEC60127-2 sheet 1,
≤ 2 A (fast acting)

Colours to DIN EN 60947-5-2

Remarks

Remarks	*) in case of medium temperatures < 4°C the data refer to water/glycol (40% glycol)
Pack quantity [piece]	1

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