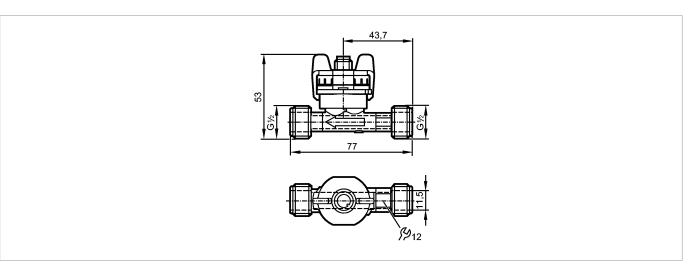
×



CE

duct characteristics
ex flow meter
8
ck disconnect
cess connection: G ¹ / ₂
nection to pipe by means of an adapter
monitoring
isuring range
15 I/min
perature monitoring
isuring range
100 °C
usuring element: 1 x Pt 1000, to DIN EN 60751, class B

Application

Application		Water, water-based media
Pressure rating [bar]		$12 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ $
Pressure rating	[bar]	12; (up to 40 °C)
Medium temperature	[°C]	-40100
Electrical data		
Electrical design		DC
Operating voltage	[V]	833
Insulation resistance	[MΩ]	> 100 (500 V DC)
Protection class		
Outputs		

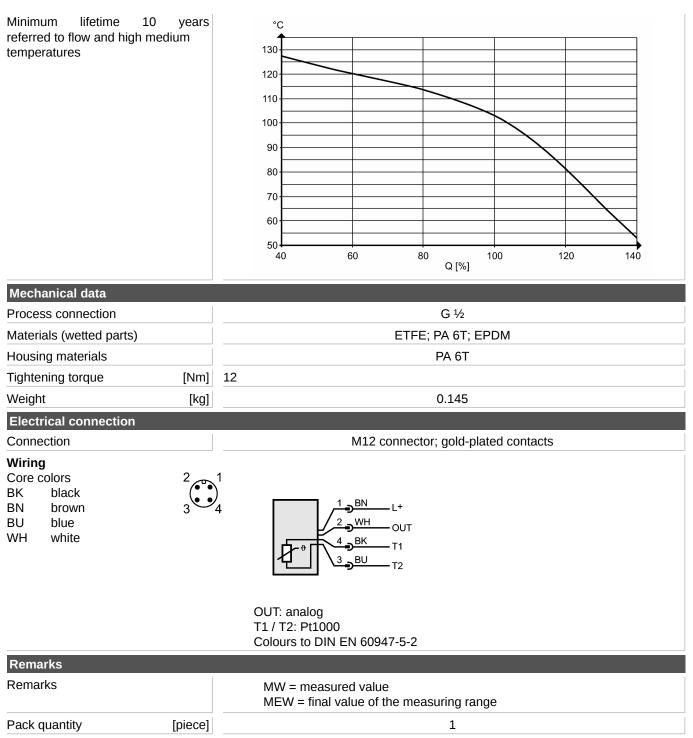
SV4150 SVM12XXXD0KG/US-100

Output function	analog		
Analog output	420 mA		
Max. load [Ω]	< (Ub - 8 V) / 20 mA 800 at Ub = 24 V		
Measuring / setting range	000 at 00 – 24 V		
Flow monitoring			
Measuring range	0.915 [l/min] 0.1332.210 [m/s]		
Output curve Temperature monitoring	Q [l/min] = 0.938 x (l - 4 mA)		
Measuring range [°C]	-40100		
Internal heating temperature probe	1 K/mW		
Accuracy / deviations			
Flow monitoring			
Accuracy	Q < 50 % MEW (water): < 1 % MEW		
Accuracy	Q > 50 % MEW (water): < 2 % MW		
Repeatability	0.2; [% of the final value]		
Pressure loss (dP) / flow rate (Q)	dP [mbar] DN8		
	100		
	80		
	60		
	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Q [l/min]		
Temperature monitoring			
Accuracy [K]	± 0.3 ± 0.005 × T		
Reaction times			
Power-on delay time [s]	< 2		
Flow monitoring			
Response time [s]	< 0.5		
Environment			
Cavitation	P(absolute) discharge / P(difference) > 5.5 to avoid cavitation		
Ambient temperature [°C]	-1585, -3085 at a medium temperature > 0 °C		
Storage temperature [°C]	-3085		
Protection	IP 65		
Tests / approvals			
Pressure equipment directive	article 3, section 3 - sound engineering practice		
EMC	EN 61326-2-3		
Shock resistance	DIN EN 60068-2-27 30 g (11 ms)		
Vibration resistance	with water 1061 Hz: 1 mm DIN EN 60068-2-6 with water 612000 Hz: 2 g		
MTTF [Years]	380		





Flow sensors



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