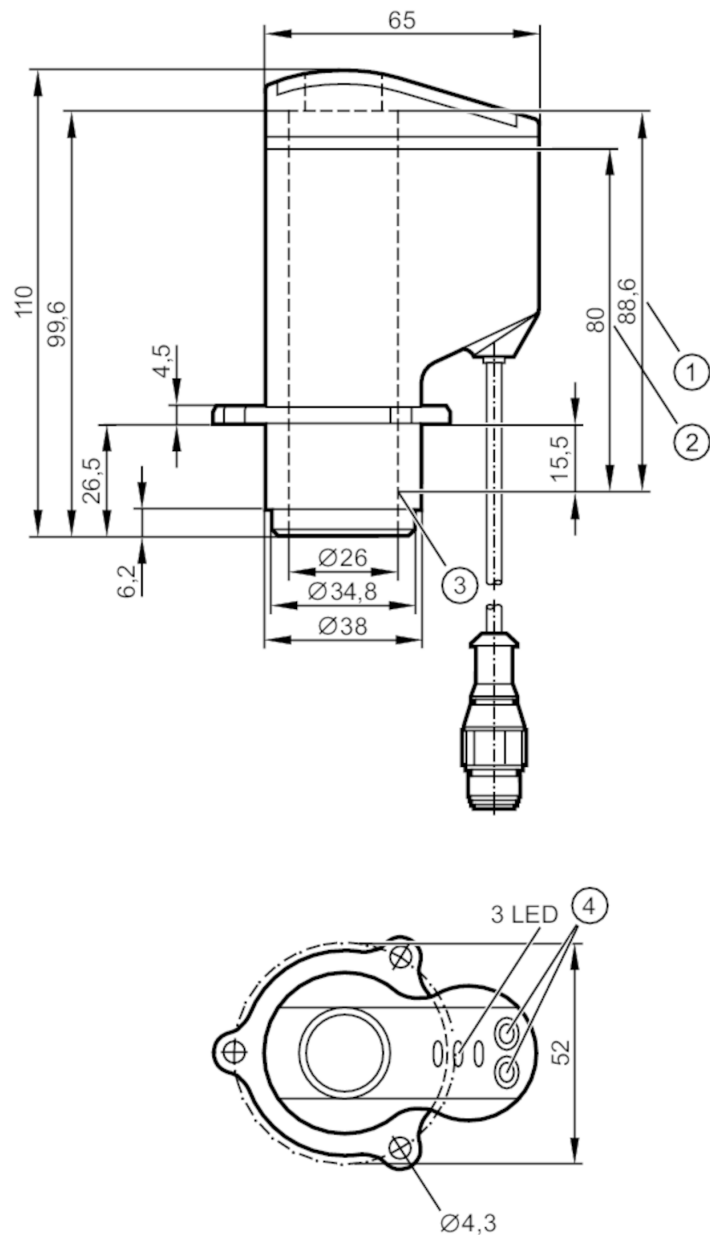




Position sensor for rising stem valves

IX-2080-AS-i/0,15M/US



- 1 max. spindle stroke
- 2 measuring distance
- 3 initial value of the measuring range zero point
- 4 programming buttons



Product characteristics

Electrical design	AS-i
Dimensions [mm]	65 x 52 x 110

Application

Application	position feedback for linear single and double seat valves; absolute distance measurement; monitoring of the valve seal
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Electrical data

Operating voltage [V]	26.5...31.6 DC
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Position sensor for rising stem valves

IX-2080-AS-i/0,15M/US

Current consumption	[mA]	< 50			
Protection class		III			
Reverse polarity protection		yes			
Max. power-on delay time	[ms]	2000			
Outputs					
Electrical design		AS-i			
Detection zone					
Measuring range	[mm]	0...80			
Max. target speed	[m/s]	1			
Resolution of valve stroke	[mm]	0.2			
Target		cylindrical disc			
	-	Ø 24 mm ±0,05 mm			
	-	minimum height 10 mm			
	-	flat surface			
	-	stainless steel to DIN17440, material number 316S12/1.4404.			
Software / programming					
Parameter setting options		3 switch points to be freely defined within the measuring range			
Operating conditions					
Ambient temperature	[°C]	-25...70			
Protection		IP 65; IP 67; (only in conjunction with an installation in the valve head that provides sufficient protection against mechanical damage of the sensor)			
Tests / approvals					
MTTF	[years]	281			
AS-i classification					
AS-i version		3.0			
Extended addressing mode		yes			
AS-i I/O configuration	[hex]	0			
AS-i ID code	[hex]	A.F			
Assignment of the data bits	Designation	close	seat	open	not used
	status = 0	plunger outside the 'close' zone	plunger outside the 'seat' zone	plunger outside the 'open' zone	default value
	status = 1	plunger inside the 'close' zone	plunger inside the 'seat' zone	plunger inside the 'open' zone	-
Mechanical data					
Weight	[g]	219.5			
Type of mounting		3-hole flange			
Dimensions	[mm]	65 x 52 x 110			
Materials		PA; TPE; PP; LCP			
Displays / operating elements					
Display	switching status			1 x LED, green open	
	switching status			1 x LED, yellow seat	
	switching status			1 x LED, red close	
	operation			1 x LED, green AS-i voltage	
	error			1 x LED, red	

IX5030



Position sensor for rising stem valves

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Accessories

Items supplied

screws: 3

Remarks

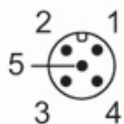
Pack quantity

1 pcs.

Electrical connection - plug

Cable: 0.15 m, PVC; 2 x 0.14 mm²

Connector: 1 x M12; coding: A



Connection

