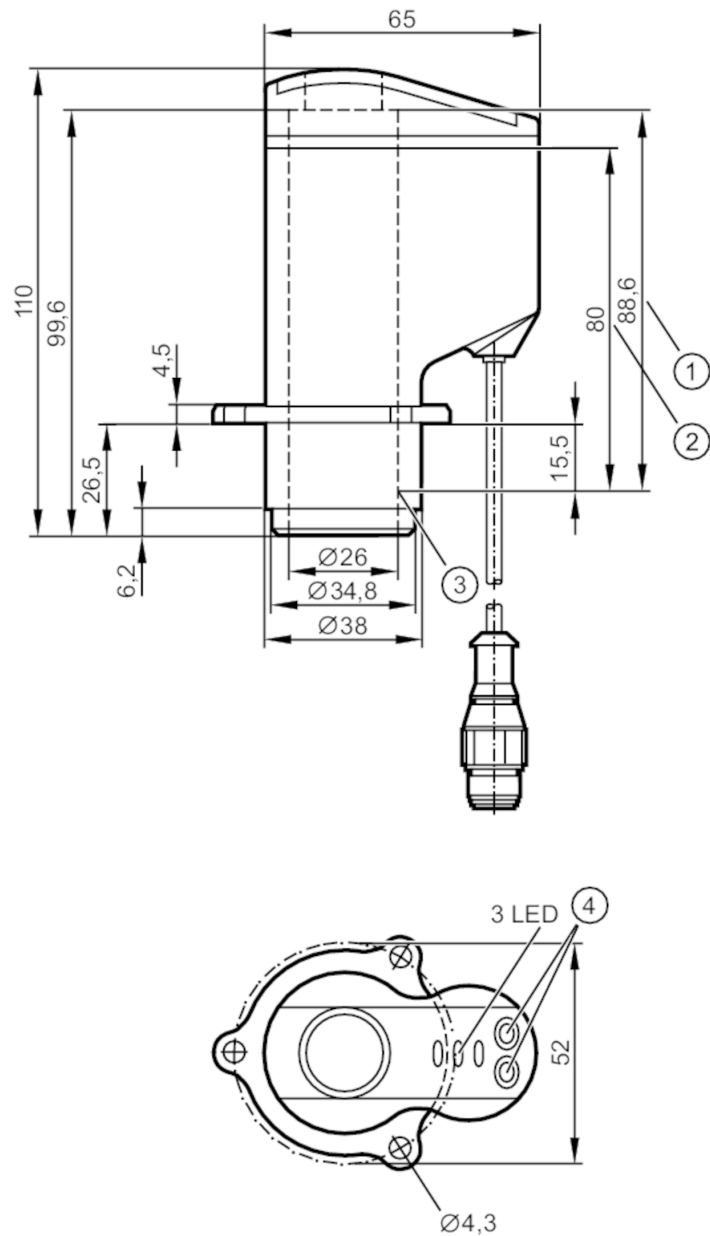




Position sensor for rising stem valves

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

Article to be discontinued
Discontinuation date: 03/31/2027



- 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

IX5030



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Application					
Application		Position feedback for linear single and double seat valves; Absolute distance measurement; Monitoring of the valve seal			
Electrical data					
Operating voltage	[V]	26.5...31.6 DC			
Current consumption	[mA]	< 50			
Protection class		III			
Reverse polarity protection		yes			
Max. power-on delay time	[ms]	2000			
Outputs					
Electrical design		AS-i			
Monitoring range					
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.			
Software / programming					
Parameter setting options		3 switchpoints 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					
Vibration resistance		EN 60068-2-6 Fc	1 mm (10...55 Hz) / 1 octave per minute in 3 axes		
Shock resistance		EN 60068-2-27 Ea	30 g 11 ms half-sine; 6 shocks each in every direction along the three coordinate axes		
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			
Data bits	Description	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			

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Dimensions	[mm]	65 x 52 x 110
Material	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
	Power	1 x LED, green AS-i voltage
	error	1 x LED, red

Accessories

Items supplied	screws: 3
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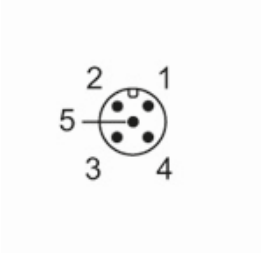
Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 0.15 m, PVC; 2 x 0.14 mm²

Connector: 1 x M12; coding: A



Connection

