

IX5008

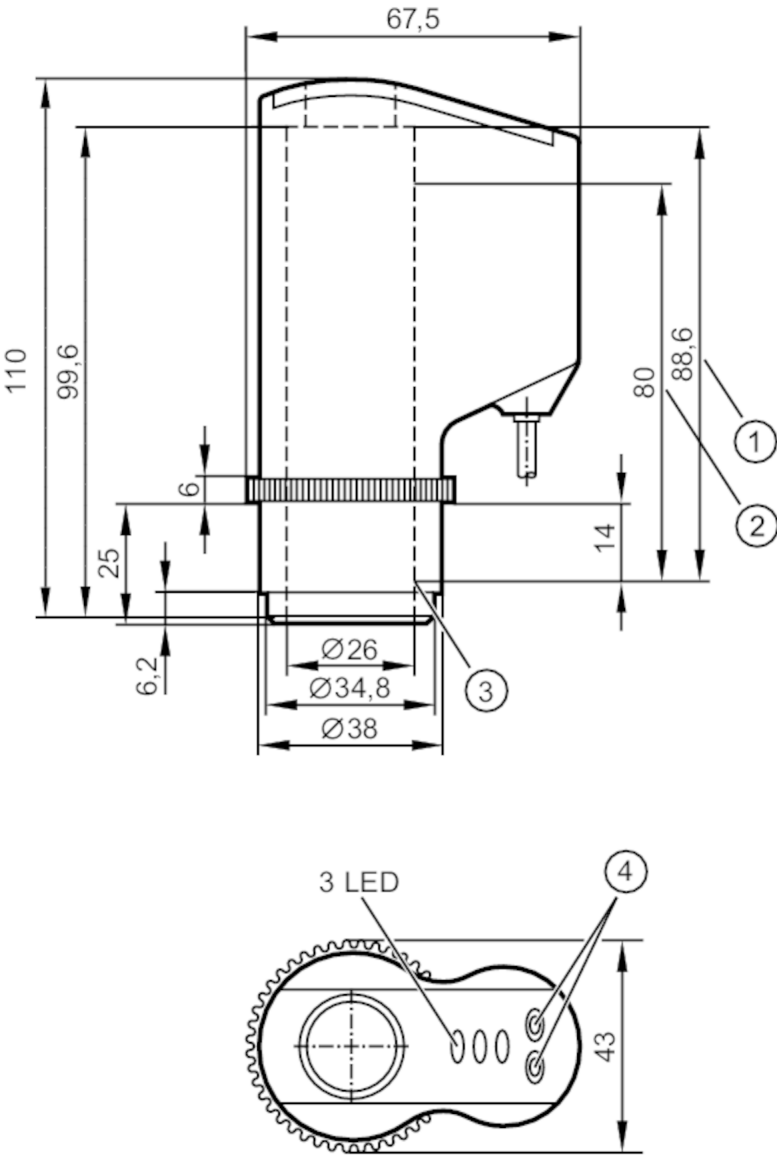


Position sensor for rising stem valves

IX-3080-BPKG/3LED/0,3M

Article no longer available - archive entry

Alternative articles: IX5010
When selecting an alternative article and accessories please note that technical data may differ!



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



Product characteristics	
Electrical design	PNP
Output function	3 x normally open
Dimensions [mm]	67.5 x 43 x 110



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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]	18...36 DC
Current consumption	[mA]	42; (24 V)
Protection class		III
Reverse polarity protection		yes
Max. power-on delay time	[ms]	2000
Outputs		
Electrical design		PNP
Output function		3 x normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
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...85
Note on ambient temperature	for firmly laid cable	
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		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV coupling clamp
	EN 61000-4-6 HF conducted	3 V
Mechanical data		
Dimensions	[mm]	67.5 x 43 x 110
Materials	PA; TPE; PP	

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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

Accessories

Items supplied	mounting clamps: 1
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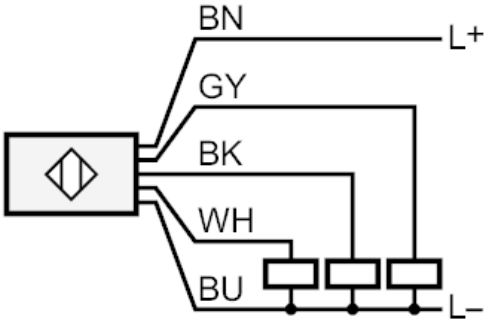
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 0.3 m, PVC

Connection



- black

white

grey
- OUT 1 seat

OUT 2 close

OUT 3 open
- Core colours :
- BK =

BN =

BU =

GY =

WH =
- black

brown

blue

grey

white