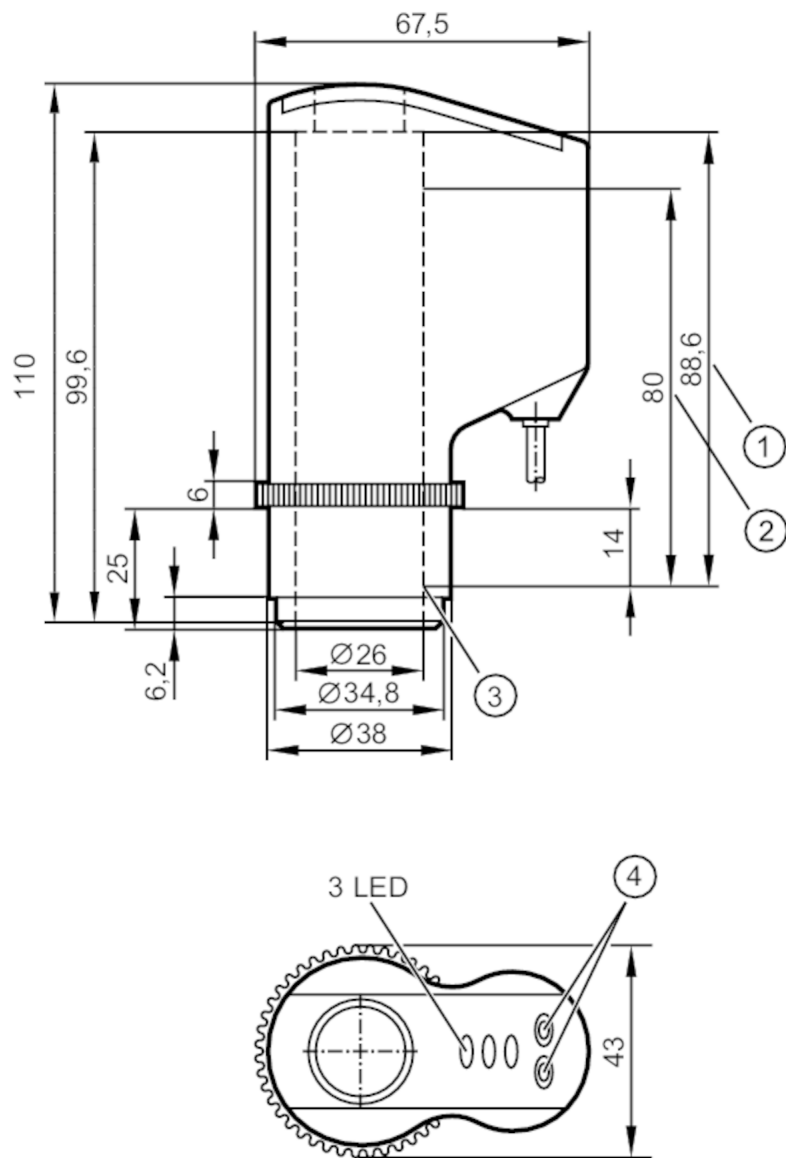




Position sensor for rising stem valves

IX-3080-BPKG/3LED



- 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

Application

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

Operating voltage [V]	18...36 DC
Current consumption [mA]	42; (24 V)



Position sensor for rising stem valves

IX-3080-BPKG/3LED

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
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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
MTTF [years]	298	

Mechanical data

Weight [g]	216.5
Dimensions [mm]	67.5 x 43 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

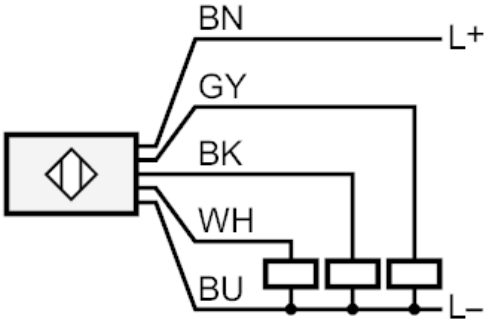
IX5006



Position sensor for rising stem valves

IX-3080-BPKG/3LED

Accessories	
Items supplied	mounting clamps: 1
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Cable: 2 m, PVC; 5 x 0.14 mm²	
Connection	



black	OUT 1 seat
white	OUT 2 close
grey	OUT 3 open
Core colours :	
BK =	black
BN =	brown
BU =	blue
GY =	grey
WH =	white