



- 1: Max. spindle stroke
- 2: Measuring distance
- 3: Initial value of the measuring range (zero point)
- 4: Programming buttons



Product characteristics
Rising stem valve sensor

Cable

Position feedback for seat valves and diaphragm valves

Absolute distance measurement

Monitoring of the valve seal

Measuring range 0...84 mm

Electrical data

Electrical design

DC PNP

Operating voltage [V]

18...36 DC

Current consumption [mA]

42 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

3 x normally open

Voltage drop [V]

< 2.5

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Monitoring range

Resolution [mm]

0.2

Measuring range [mm]

0...84

Max. target speed [m/s]

1

IX5003 - Rising stem valve sensor - eclass: 27220590 / 27-22-05-90

Target	cylindrical disc - Ø 24 mm ± 0.05 mm - minimum height 10 mm - flat surface - stainless steel to DIN 17440, material no. 316S12	
Reaction times		
Power-on delay time [s]	2	
Software / programming		
Programming options	3 switchpoints to be freely defined within the measuring range	
Environment		
Ambient temperature [°C]	-25...85, 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]	320	
Mechanical data		
Housing materials	PA; TPE; PP (polypropylene); LCP	
Weight [kg]	0.141	
Displays / operating elements		
Output status indication LED	green (open), yellow (seat), red (close)	
Electrical connection		
Connection	PVC cable / 0.3 m	
Wiring		
Core colors	BK: OUT 1 seat WH: OUT 2 close GY: OUT 3 open	
BK black		
BN brown		
BU blue		
GY grey		
WH white		
Remarks		
Pack quantity [piece]	1	