



Position sensor for valve actuators

SVS SOLENOID OUT

IO-Link revision	1.1				
SDCI standard	IEC 61131-9 CDV				
Profiles	Smart Sensor: Device Identification; Device Diagnosis; Device Teach Channel; Binary Data Channel; Process Data Variable; Blob; Measurement Data Channel				
SIO mode	yes				
Required master port type	A				
Min. process cycle time [ms]	4				
Supported DeviceIDs	<table> <tr> <th>Type of operation</th><th>DeviceID</th></tr> <tr> <td>default</td><td>1190</td></tr> </table>	Type of operation	DeviceID	default	1190
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default	1190				

Operating conditions

Ambient temperature [°C]	-25...70
Protection	IP 65; IP 67; (Target puck area dust-protected)

Tests / approvals

EMC	EN 61000-4-2	4 kV CD / 8 kV AD
	EN 61000-4-3	10 V/m
	EN 61000-4-4	2 kV
	EN 61000-4-6	10 V
	EN 55011	class B
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]	363	
Embedded software included	yes	
UL approval	UL Approval no.	S002

Mechanical data

Weight [g]	192
Housing	rectangular
Dimensions [mm]	95 x 50 x 57
Materials	housing, target puck: PA; plug: stainless steel (316L / 1.4404)
Tightening torque [Nm]	target puck: 1,2; housing: 3,0; housing on plastic mounting plate: 1,5

Displays / operating elements

Display	operation	1 x LED, green
	switching status	2 x LED, white
	switching status	1 x LED, RGB

Accessories

Items supplied	socket head screws: 4 x M5 x 16, stainless steel
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Remarks

Pack quantity	1 pcs.
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MVQ201

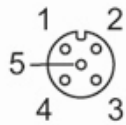


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Electrical connection - solenoid valve

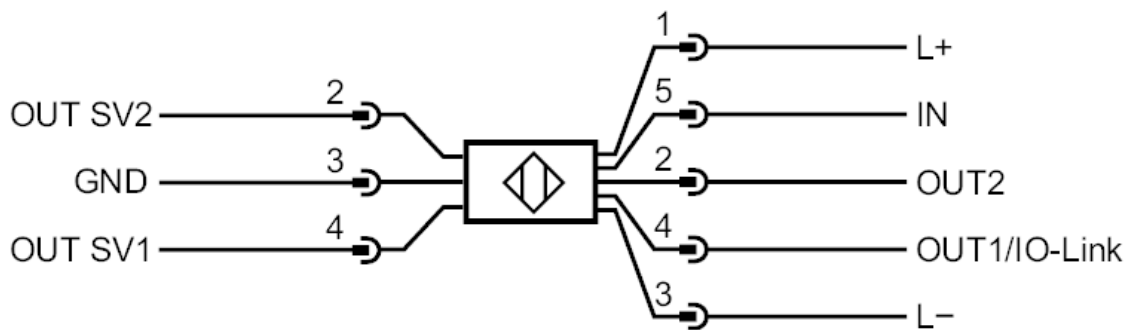
Connector: 1 x M12; coding: A; Moulded body: stainless steel



2	Out SV2
3	GND
4	Out SV1

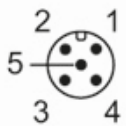
Electrical connection

Connection



Electrical connection - Process connection

Connector: 1 x M12; coding: A; Moulded body: stainless steel



1	Ub
2	Out2
3	GND
4	Out1 IO-Link
5	In1

Other data

Inputs

Operating mode	12 V	24 V
switching level high	6...30 V	15...30 V
switching level low	0...2 V	0...5 V