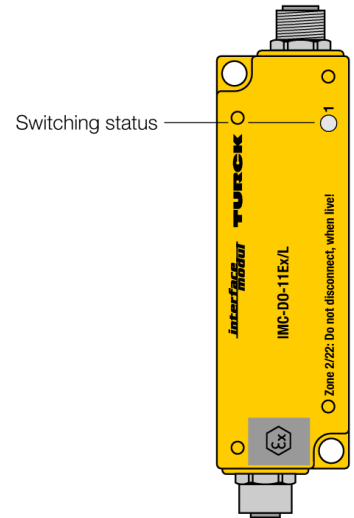
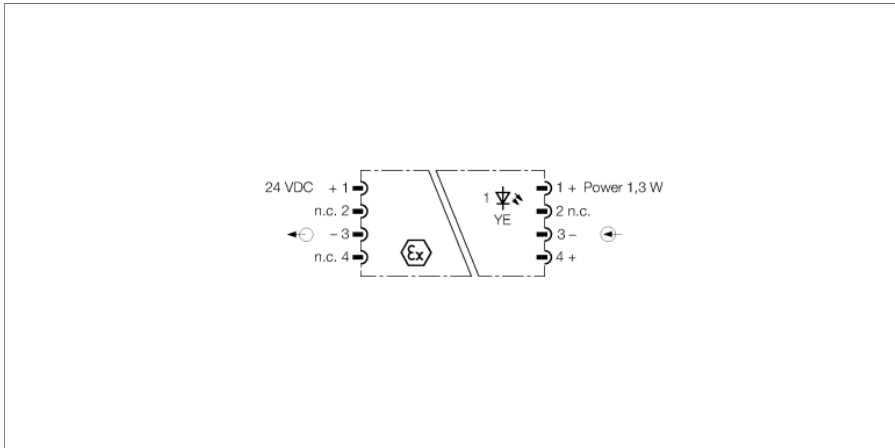




Valve control module
1-channel
IMC-DO-11EX/L

TURCK

Industrial
Automation



The 1-channel valve control module IMC-DO-11EX/L features an intrinsically safe output circuit. The device can be mounted in zone 2.

The device must be protected against mechanical load on connector and housing when mounted in zone 2 or 22. For this, use the TURCK cover plate IMC-SG (ident no.7560016).

Typical applications are the control of Ex i pilot valves and pilot lights as well as the supply of transmitters.

The device is loop-powered. External power supply is not required.

- ATEX, IECEx, GOST
- Zone 2/22
- SIL 3
- Valve control module with M12 x 1 males, 1-channel
- Complete galvanic isolation
- Protection class IP67



Valve control module

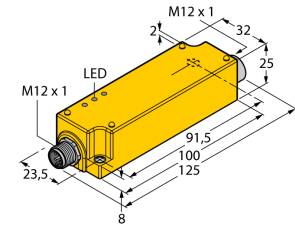
1-channel

IMC-DO-11EX/L

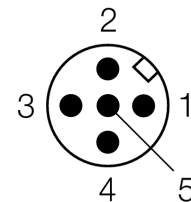
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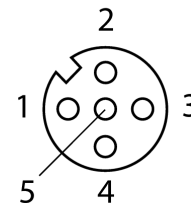
Dimensions



Pin assignment male M12



Pin assignment female M12 (Ex side)



Type code	IMC-DO-11EX/L														
Ident no.	7560008														
Nominal voltage	24 VDC loop-powered														
Power consumption	≤ 1.3 W														
0-signal	0...5 VDC														
1-signal	20...30 VDC														
Voltage input	max. 30 VDC														
Current input	45 mA														
Input delay	≤ 1 ms														
Output circuits	intrinsically safe acc. to EN 60079														
Output current	40 mA														
Output voltage	24 V														
Output curve															
Limit frequency	≤ 500 Hz														
Measuring accuracy	≤ 0.1 % of full scale														
Galvanic isolation	2.5 kV														
Ex approval acc. to conformity certificate	TÜV 07 ATEX 553265														
Application area	II (1) GD														
Protection type	[Ex ia] IIC/IIB														
Max. values:	female M12 connection: 1+3														
Max. output voltage U_o	≤ 27 V														
Max. output current I_o	≤ 95 mA														
Max. output power P_o	≤ 674 mW														
Characteristic	Trapezoidal														
Rated voltage	250 V														
Internal inductance/capacitance L/C,	negligibly small														
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Co [nF]	74	130	490	630											
Ex approval acc. to conformity certificate	TÜV 07 ATEX 553647 X														
Application area	II 3G, II 3D														
Protection type	Ex nA [nL] IIC/IIB T4 or rather Ex tD A22 IP67 T86 °C														
Max. values:	female M12 connection: 1+3														
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Valve control module

1-channel

IMC-DO-11EX/L

TURCK

Industrial
Automation

Approval	SIL3 acc. to EXIDA FMEDA
MTTF	300 years acc. to SN 29500 (Ed. 99) 40 °C

Indication	
Switching state	yellow

Protection class	IP67
Ambient temperature	-25...+70 °C
Storage temperature	-40...+80°C
Dimensions	100 x 32 x 25 mm
Weight	154 g
Mounting instruction	Mounting on backplane
Housing material	polycarbonate/ABS
Electrical connection	M12 flange connection
Tightening torque	3.5 Nm