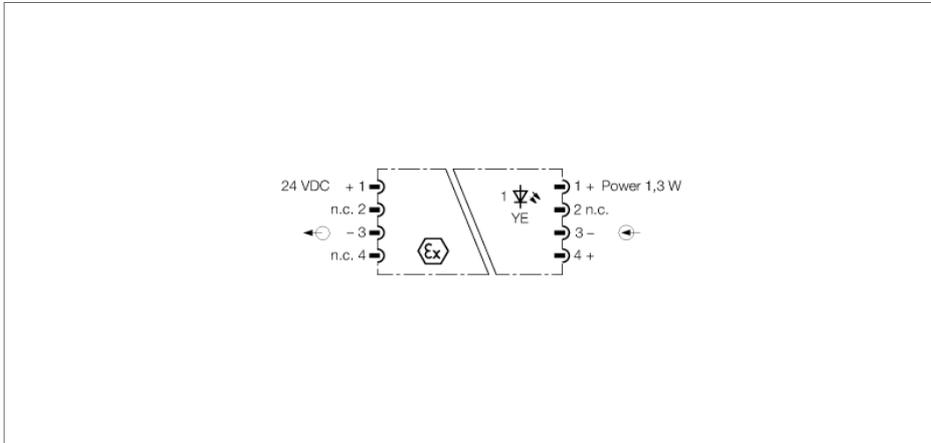




Valve control module
1-channel
IMC-DO-11EX/L

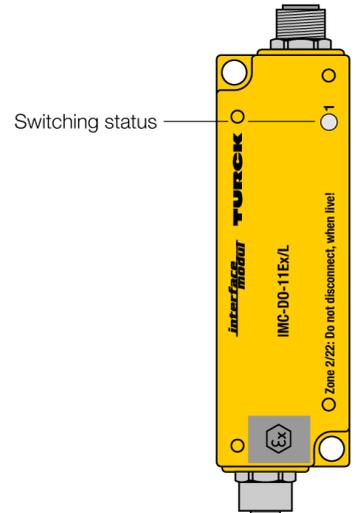
TURCK

Industrial
Automation



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.



- 1-port valve control module with M12x1 connectors
- Intrinsically safe output circuit Ex ia
- Application area acc. to ATEX: II (1) GD, II 3 GD
- Galvanic separation of input circuits, output circuits and power supply
- Protection class IP67



Valve control module

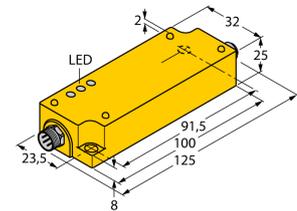
1-channel

IMC-DO-11EX/L

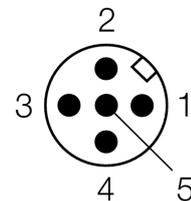
TURCK

Industrial
Automation

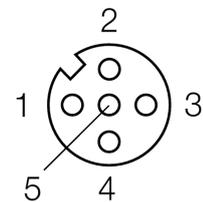
Dimensions



pin configuration M12 connectors



pin assignment female M12 (intrinsically safe end)



Type	IMC-DO-11EX/L															
Ident-No.	7560008															
Nominal voltage	Loop-powered															
Power consumption	≤ 1.7 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	U1=24 V															
Output voltage	U2=15 V															
Output curve																
Limit frequency	≤ 500 Hz															
Measuring accuracy	≤ 0.1 % of full scale															
Galvanic separation																
Test voltage	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. output voltage U_o	≤ 27 V															
Max. output current I_o	≤ 95 mA															
Max. output power P_o	≤ 674 mW															
Rated voltage	250 V															
Characteristic	Trapezoidal															
Internal inductance/capacitance L/C,	negligibly small															
External inductance/capacitance L _e /C _e ,																
	<table border="1"> <thead> <tr> <th>Ex ia</th> <th colspan="2">IIC</th> <th colspan="2">IIB</th> </tr> </thead> <tbody> <tr> <td>Lo [mH]</td> <td>0.75</td> <td>0.5</td> <td>2</td> <td>0.5</td> </tr> <tr> <td>Co [nF]</td> <td>60</td> <td>70</td> <td>310</td> <td>450</td> </tr> </tbody> </table>	Ex ia	IIC		IIB		Lo [mH]	0.75	0.5	2	0.5	Co [nF]	60	70	310	450
Ex ia	IIC		IIB													
Lo [mH]	0.75	0.5	2	0.5												
Co [nF]	60	70	310	450												
Ex approval acc. to conformity certificate	TÜV 07 ATEX 553647 X															
Application area	II 3 GD															
Protection class for belonging equipment	Ex nA [nL] IIC/IIB T4 bzw. Ex tD A22 IP67 T86°C															
Max. output voltage U_o	≤ 27 V															
Max. output current I_o	≤ 95 mA															
Max. output power P_o	≤ 674 mW															
Characteristic	Trapezoidal															
External inductance/capacitance L/C,	negligibly small															
External inductance/capacitance L _e /C _e ,																
	<table border="1"> <thead> <tr> <th>Ex nL</th> <th colspan="2">IIC</th> <th colspan="2">IIB</th> </tr> </thead> <tbody> <tr> <td>Lo [mH]</td> <td>4.0</td> <td>0.5</td> <td>20</td> <td>5</td> </tr> <tr> <td>Co [nF]</td> <td>74</td> <td>130</td> <td>490</td> <td>630</td> </tr> </tbody> </table>	Ex nL	IIC		IIB		Lo [mH]	4.0	0.5	20	5	Co [nF]	74	130	490	630
Ex nL	IIC		IIB													
Lo [mH]	4.0	0.5	20	5												
Co [nF]	74	130	490	630												

Indication

Switching state yellow



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

TURCK

Industrial
Automation

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