



Solenoid Driver 1-channel IMC-DO-11EX/L



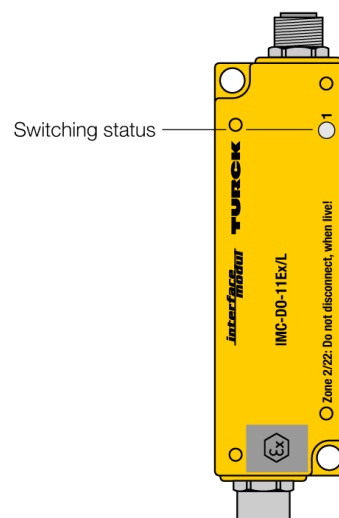
The 1-channel solenoid driver IMC-DO-11Ex/L features an intrinsically safe output circuit. The device can be mounted in zone 2.

For unprotected mounting in zone 2 or 22 the devices must be additionally protected against mechanical damage with the metal cover plate IMC-SG (Ident no. 7560016) from TURCK.

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, FM_{us} , IECEx, TR CU
- Installation in zone 2/22
- Valve control module, 1-channel
- Complete galvanic isolation
- Input reverse-polarity protected
- Protection class IP67
- Cable with M12 connectors





Solenoid Driver

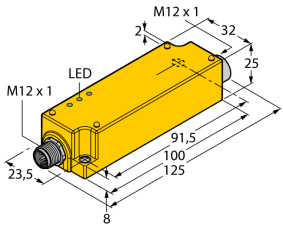
1-channel

IMC-DO-11EX/L

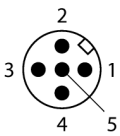


Type designation	IMC-DO-11EX/L
Ident-No.	7560008
Nominal voltage	24 VDC loop-powered
Power consumption	≤ 1.3 W
0-signal	0...5 VDC
1-signal	20...30 VDC
Voltage input	max. 30 VDC
Input current	45 mA
Input delay	≤ 1 ms
Output circuits	intrinsically safe acc. to EN 60079
Output current	40 mA
Output voltage	24 V
Output curve	
Limit frequency	≤ 500 Hz
Measuring accuracy (including linearity, hysteresis and repeatability)	≤ 0.1 % of full scale
Galvanic isolation	
Test voltage	2.5 kV
Important note	For Ex-applications the values specified in the corresponding Ex certificates (ATEX, IECEx, UL, etc.) apply.
Ex approval acc. to conformity certificate	TÜV 07 ATEX 553265
Application area	II (1) GD
Ignition protection category	[Ex ia] IIC/IIB
Ex approval acc. to conformity certificate	Turck Ex-13020HX
Application area	II 3G, II 3D
Ignition protection type	Ex nA [nL] IIC/IIB T4 or rather Ex tD A22 IP67 T86 °C
Characteristic	trapezoidal
Approval	SIL3 acc. to EXIDA FMEDA
Approval	SIL3 acc. to EXIDA FMEDA
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 instructions	panel
Housing material	Polycarbonate/ABS
Electrical connection	M12 receptacle
Tightening torque	3.5 Nm

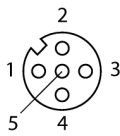
Dimensions



Pin assignment male M12



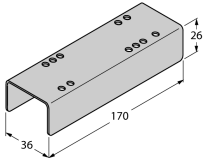
Pin assignment female M12 (intrinsically safe end)





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Accessories

Type code	Ident-No.	Description	Dimension drawing
IMC-SG	7560016	Metal cover plate for IMC modules (required for application in zones 2/22)	
SC-M12/3GD	6900390	Captive safety clip for sensors with M12 x 1 connectors and approval acc. to ATEX II 3 G or II 3 D.	