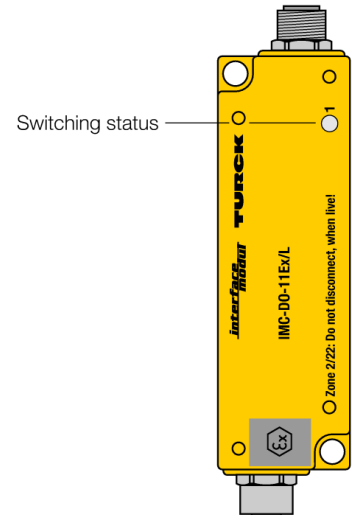


Solenoid Driver 1-channel IMC-DO-11EX/L



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

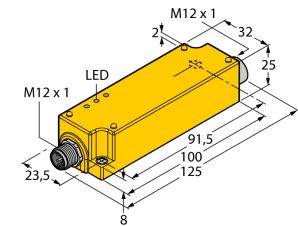
For unprotected mounting in zone 2 or 22 the devices must be additionally protected against mechanical damage with the metal cover plate IMC-SG (Ident no. 7560016) from TURCK.

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

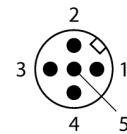
The device is loop-powered. External power supply is not required.

- Valve control module, 1-channel
- Complete galvanic isolation
- Input reverse-polarity protected
- Protection class IP67
- Connection with M12 male connectors
- ATEX, cFM_{US} , IECEx
- Use in Zone 2/22

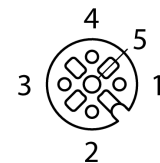
Dimensions



Pin assignment male M12



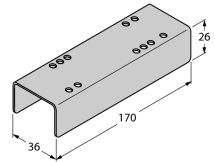
Pin assignment female M12 (intrinsically safe end)



Type	IMC-DO-11EX/L
ID	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	
Output circuits	intrinsically safe acc. to EN 60079
Output current	40 mA
Output voltage	24 V
Output curve	
Response characteristic	
Limit frequency	≤ 500 Hz
Measuring accuracy (including linearity, hysteresis and repeatability)	≤ 0.1 % of full scale
Galvanic isolation	
Test voltage	2.5 kV RMS
Important note	For Ex-applications the values specified in the corresponding Ex certificates (ATEX, IECEx, UL, etc.) apply.
Ex approval acc. to conformity certificate	TÜV07 ATEX553265
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	SIL 3 acc. to EXIDA FMEDA
Displays/Operating elements	
Switching state	Yellow

Mechanical data	
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	Plastic, Polycarbonate/ABS
Electrical connection	M12 receptacle
Tightening torque	3.5 Nm

Accessories

Type code	Ident-No.		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.	