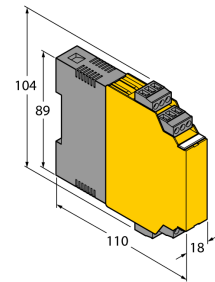


- Transmission of potentiometer signals from the Ex area
- Potentiometer, nominal resistance: 0.8...20 kΩ
- Output circuit: 0...10 V
- Complete galvanic isolation
- Input reverse-polarity protected
- ATEX, TR CU

3rd Edition • 2025-02-26T14:31:29+01:00

Dimensions

Type	IM36-11EX-U/24VDC
ID	7509526
Nominal voltage	24 VDC
Operating voltage U_s	19...29 VDC
Power consumption	≤ 2 W
Input circuits	Potentiometer
Potentiometer input	
Potentiometer	
Cable resistance	$\leq 50 \Omega$
Voltage on resistor	5 VDC
Nominal resistance	0.8...20 k Ω
Output circuits	
Output voltage	0...10 V
Response characteristic	
Measuring accuracy (including linearity, hysteresis and repeatability)	≤ 0.3 % 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	TÜV 99 ATEX 1405
Application area	II (1) G
Ignition protection category	[EEx ia] IIC
Displays/Operating elements	
Operational readiness	Green
Mechanical data	
Protection class	IP20
Flammability class acc. to UL 94	V-0
Ambient temperature	-25...+60 °C
Storage temperature	-40...+80 °C
Dimensions	104 x 18 x 110 mm
Weight	137 g
Mounting instructions	DIN rail (NS35) or panel
Housing material	Plastic, Polycarbonate/ABS
Electrical connection	4 x 3-pin removable terminal blocks, reverse polarity protected, screw terminal
Terminal cross-section	1 x 2.5 mm ² /2 x 1.5 mm ²
Tightening torque	0.5 Nm



Accessories

Type code	Ident no.		Dimension drawing
IM-CC-3X2BU/2BK	6900475	Cage clamp terminals for IM modules (Ex-devices with 18 mm overall width); includes: 2 pcs. 3-pin blue terminals and 2 pcs. 3-pin black terminals.	