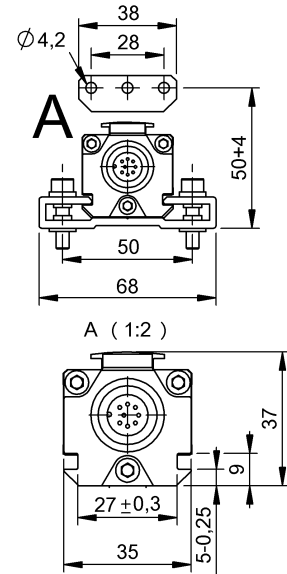
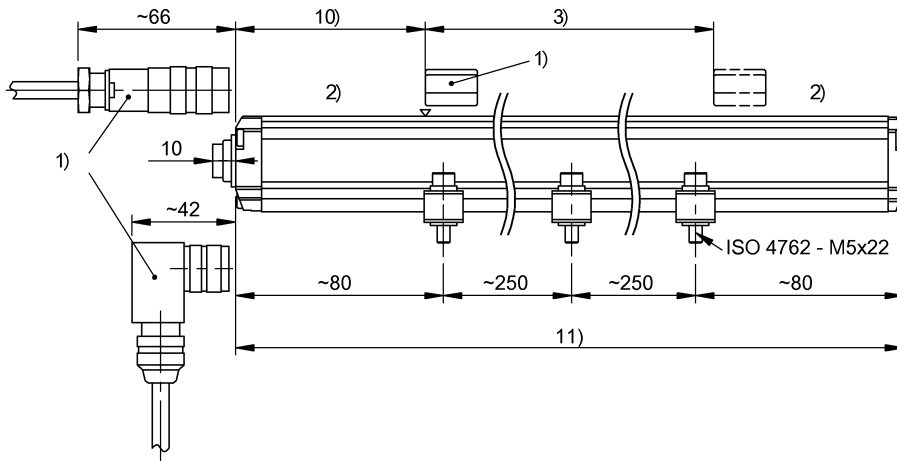


BTL5-M1-M0610-P-S32 BTL0412



1) not included in scope of delivery 2) Non-usable area 3) Nominal length = Measuring length 10) Null point 11) Installation length



Electrical connection

Connection version	axial
Polarity reversal protected	yes

Electrical data

Current consumption max. at 24 V DC	50 mA
Galvanic isolation	yes
Inrush current	≤ 3 A/0.5 ms
Operating voltage U_b	20...28 VDC
Overvoltage protection	yes
Voltage-proof up to (GND to housing)	500 V DC

Environmental conditions

Ambient temperature	-40...85 °C
EN 55016-2-3, Radiation	Industrial areas
EN 60068-2-27, Continuous shock	100 g, 2 ms
EN 60068-2-27, Shock	100 g, 6 ms
EN 60068-2-6, Vibration	12 g, 10...2000 Hz
EN 61000-4-2, ESD	Severity Level 3
EN 61000-4-3, RFI	Severity Level 3
EN 61000-4-4, Burst	Severity Level 3
EN 61000-4-5, Surge	Severity Level 2
EN 61000-4-6, High-frequency fields	Severity Level 3
EN 61000-4-8, Magnetic fields	Severity Level 4
Protection type IEC 60529	IP67 with connector
Relative humidity	≤ 90 %, non-condensing
Storage temperature	-40...100 °C

General data

Approval/Conformity	CE cULus
Position encoders, number max.	4

Material

Housing material	Aluminum
Housing material, surface protection	anodized

Mechanical data

Fastening detail	Mounting clamps
Null point	73.0 mm

Output/Interface

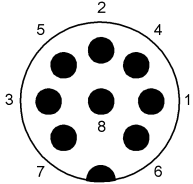
Active flank	rising
DPI/IP protocol	no
Interface	Start/Stop Start/Stop neg.

Range/Distance

Non-linearity max.	±0.02 %FS
Repeat accuracy	≤ 2 μm
Reproducibility	≤ 4 μm
Resolution	≤ 2 μm
Sampling rate max.	2.000 kHz

BTL5-M1-M0610-P-S32
BTL0412

Connector view



Wiring Diagram

Pin	
1	INIT
2	START/STOP
3	$\overline{\text{INIT}}$
4	NC
5	START/STOP
6	GND
7	+24 V DC
8	NC