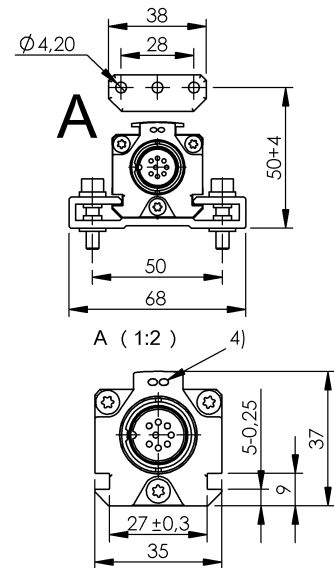









Environmental conditions

Ambient temperature	-40...85 °C
EN 55016-2-3, Radiation	For industrial and residential use
EN 60068-2-27, Continuous shock	150 g, 2 ms
EN 60068-2-27, Shock	150 g, 6 ms
EN 60068-2-6, Vibration	20 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
IP rating	IP67, with connector
Relative humidity	≤ 90 %, non-condensing
Storage temperature	-40...100 °C
Temperature coefficient typ.	≤ 15 ppm/K at 50% of nominal stroke 500mm

Functional safety

Electrical data

Interface

Bits, number	24 Bit
Count direction	rising
Interface	SSI
Interface coding	Gray

Material

Cover material	Aluminium, Die-cast, nickel plated
Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized

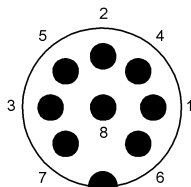
Mechanical data

Mounting part	Mounting clamps
Null point	72.0 mm
Overall Length	445 mm

Range/Distance

Measuring length	300 mm
Non-linearity max.	±30 µm
Repeat accuracy	≤ ± 5 µm (typical ± 2.5 µm)
Repeatability	≤30 µm
Resolution, position	10 µm
Sampling frequency max.	2857 Hz

Connector Drawings



Wiring Diagrams (Schematic)

PIN	
1	+Clk
2	+Data
3	-Clk
4	NC
5	-Data
6	GND
7	10...30 V DC
8	NC