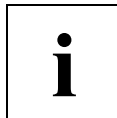
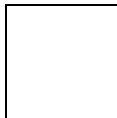
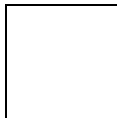
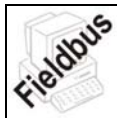


Absolute-Encoder CEV65M - PB PNO


Eglshalde 6
D-78647 Trossingen
Tel. +49 - (0) 74 25 / 228 - 0
Fax +49 - (0) 74 25 / 228 - 33
<http://www.tr-electronic.de>
Germany



- **PROFIBUS - DP fieldbus interface compliant EN 50170 and EN 50254**
- **Modular product line**
- **Different flange and shaft versions available**
- **Short lead time**
- **Extensive parametrize possible**
- **Customisations upon request**

Characteristics

Total resolution ¹⁾	≤ 25 Bit
Steps per revolution ¹⁾	≤ 8.192
Number of revolutions Standard ¹⁾	≤ 4.096
Number of revolutions software solution ¹⁾	≤ 256.000
Supply voltage	11 ... 27 VDC
Power consumption without load	< 4 Watt
Data interface Profibus-DP	
Data protocol ¹⁾	EN 50170, EN 50254 PNO Class 1, PNO Class 2, TR-mode position TR-mode position and speed
Output code ¹⁾	Binary, gray, shifted gray
Address range with DIP-switch adjustable	3 ... 99
Baud rate with DIP-switch adjustable	9,6 kbit/s ... 12 Mbit/s
Input logic level „0“ < 2 VDC, „1“ ≙ Supply voltage	
Count direction V/R ¹⁾	
Preset adjustment preset 1 and 2 ¹⁾	
Mechanically permitted speed	≤ 6.000 min ⁻¹
Shaft loading	≤ 40 N axial, 60 N radial
Bearing life time at ≤ 3.000 min ⁻¹ and ≤ 60 °C	≥ 3,9*10 ¹⁰ revolutions and shaft loading ≤ 20 N axial, 30 N radial
Angular acceleration	≤ 10 ⁴ rad/s ²
Moment of inertia	typical 2,5*10 ⁻⁶ kg*m ²
Startup torque at 20°C or 68°F	typical 2 Ncm
Weight	typical 0,7 kg
Connection	screw terminal, 3x cable gland radial

¹⁾ **Programmable via bus**

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Environmental conditions

Vibration to DIN EN 60068-2-6:1996..... $\leq 100 \text{ m/s}^2$ sine 50-2000 Hz

Shock to DIN EN 60068-2-27:1995..... $\leq 1000 \text{ m/s}^2$ 11ms

EMC

Unloading of static electricity to DIN EN 61000-4-2:2001

Burst to DIN EN 61000-4-4:2004

Interference immunity to DIN EN 61000-6-2:2001

Operating temperature $0^\circ\text{C} \dots 70^\circ\text{C}$ optional $-40^\circ\text{C} \dots +85^\circ\text{C}$

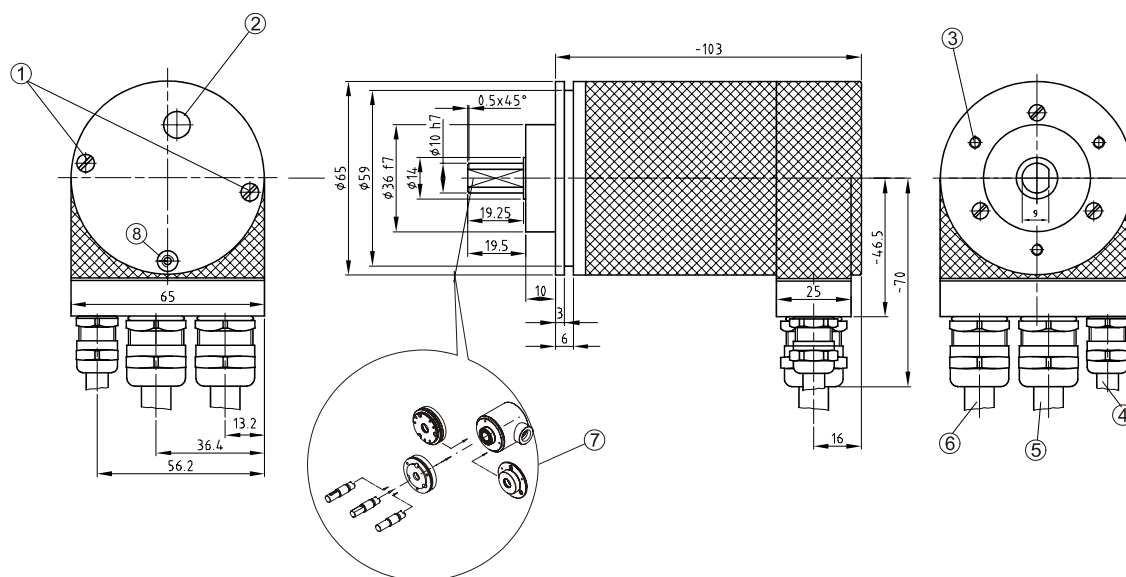
Storage temperature range $-40^\circ\text{C} \dots +85^\circ\text{C}$ dry

Relative humidity to DIN EN 60068-3-4:2002 98 % non condensing

Protection class ¹⁾ IP 65 compliant EN 60529:1991

¹⁾ This is valid, if the plug connectors are connected correctly and/or the cable gland is screwed together correctly

Dimension drawing



- 1 Torque 0,2 Nm
- 2 Windows for LED
- 3 Screw thread see product drawing
- 4 1x cable gland SW 14 power supply

- 5 1x cable gland SW 20 data input
- 6 1x cable gland SW 20 data output
- 7 Different flanges and shaft versions available
- 8 Shielded