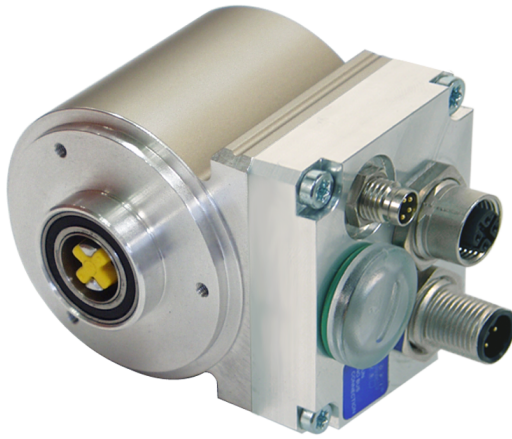


# Absolute-Encoder CEK58 - PB

Ref.: K-CEK58-PB-1

18.11.2013

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## Advantages

- \_ Customer-specific solutions
- \_ Flexible programming
- \_ Further interfaces available
- \_ Modular mechanical design
- \_ Modular product line
- \_ Short lead times

## General Data

Supply	
- Supply voltage	11...27 VDC
Current consumption no load	<= 350 mA
Device design	
- Type	Single-/Multi-Turn
Total resolution	<= 33 Bit
Number of steps per revolution	<= 32768
Number of revolutions	<= 256000
Output capacity	<= 25 Bit
PROFIBUS - Interface	
- PROFIBUS-DP V0	IEC 61158, IEC 61784
- PNO Encoder-Profile	Class 1 and 2
Transmission rate	
- Specific value	9.6...12000 kbit/s
Parameter/Function, changeable	Resolution
	Output code
	Adjustment - Parameter
	Counting direction
	Gear function
	Velocity parameter
Type of parametrization	programmable
Prgramming - Tool	Fieldbus-Device

Subject to change.

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# Absolute-Encoder CEK58 - PB

Ref.: K-CEK58-PB-1  
18.11.2013  
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## General Data continuation

Maximum Speed, mechanically	$\leq 12000$ 1/min
Shaft load, axial/radial	radial coupling forces
Bearing life time	$\geq 3.9E+10$ revolutions
Bearing life time - Parameter - Speed	6000 1/min
- Operating temperature	60 °C
Angular acceleration	$\leq 10E+4$ rad/s <sup>2</sup>
Moment of inertia, typically	2.5E-6 kg m <sup>2</sup>
Start-up torque, 20 °C	2 Ncm
Mass, typically	0.3...0.5 kg

## Environmental conditions

Vibration	
- Specific value	$\leq 100$ m/s <sup>2</sup>
- Sine	50...2000 Hz
Shock	
- Specific value	$\leq 1000$ m/s <sup>2</sup>
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	0...+60 °C
- Optional	-20...+70 °C;
- On request	-40...+85 °C;
Storage temperature, dry	-30...+80 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65

Subject to change.

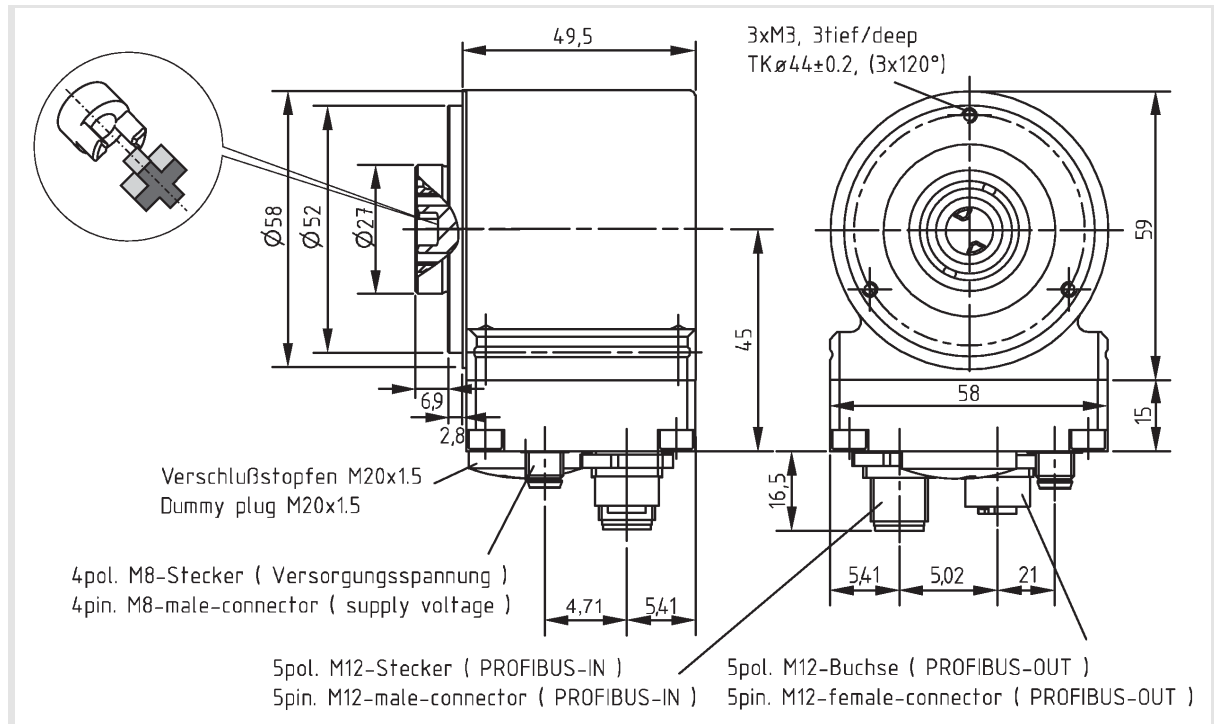
# Absolute-Encoder CEK58 - PB

Ref.: K-CEK58-PB-1

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## Dimensional drawing



Subject to change.