

## Absolute-Encoder CEV58 - ES3



Ref.: K-CEV58-ES3-1

18.11.2013

010102005802030201

### Advantages

- \_ Further interfaces available
- \_ Modular mechanical design
- \_ Modular product line

### General Data

Supply	
- Supply voltage	11...27 VDC
Device design	
- Type	Single-/Multi-Turn
Total resolution	<= 25 Bit
Number of steps per revolution	<= 8192
Number of revolutions	<= 4096
SERCOS III - Interface	
- SERCOS III	IEC 61784-2, IEC 61158
- Physical Layer	Fast Ethernet, ISO/IEC 8802-3
- Device profile	Encoder Profile
Transmission rate	
- Specific value	100 MBit/s
Parameter/Function, changeable	Zero adustment
	Counting direction
Type of parametrization	programmable
Prgramming - Tool	Fieldbus-Device
Maximum Speed, mechanically	<= 12000 1/min
Shaft load, axial/radial	<= 10 N, <= 20 N
Bearing life time	>= 3.9E+10 revolutions
Bearing life time - Parameter	
- Speed	6000 1/min

Subject to change.

TR-Electronic GmbH  
 Eglisshalde 6  
 78647 Trossingen  
 Tel. +49 (0) 7425 228-0  
 info@tr-electronic.de  
[www.tr-electronic.de](http://www.tr-electronic.de)

## Absolute-Encoder CEV58 - ES3

Ref.: K-CEV58-ES3-1

18.11.2013

010102005802030201

### General Data continuation

- Operating temperature	60 °C
- Shaft load, axial/radial	$\leq 5$ N, $\leq 10$ N
Point of origin, shaft load	at the shaft end
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;
Storage temperature, dry	-30...+80 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65

Subject to change.

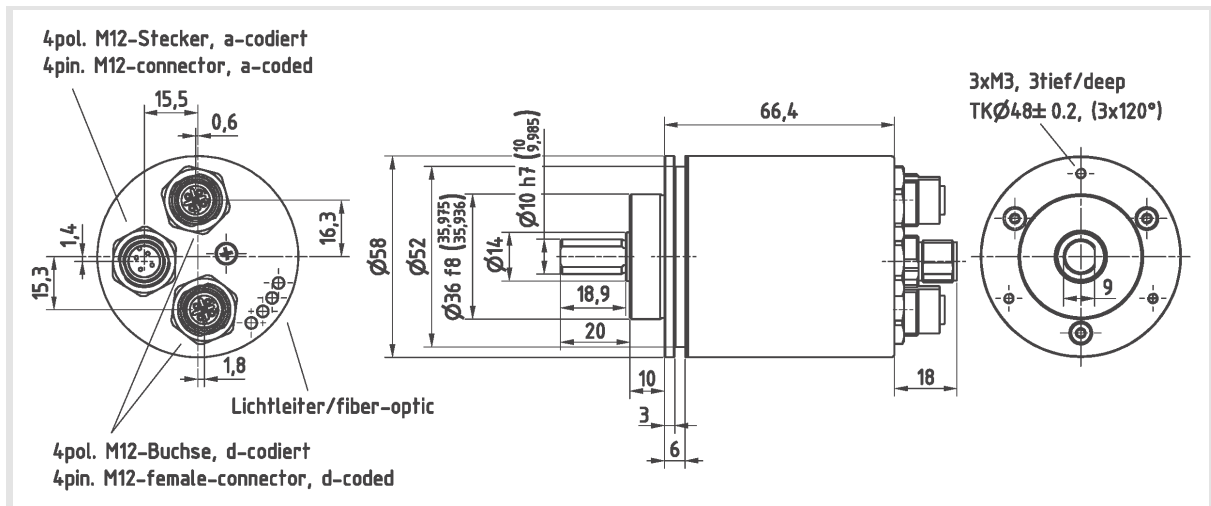
# Absolute-Encoder CEV58 - ES3

Ref.: K-CEV58-ES3-1

18.11.2013

010102005802030201

## Dimensional drawing



Subject to change.