

# Absolute-Encoder CEV58M - DQ

Ref.: K-CEV58-DQ-1

17.03.2014

010102005802020201

## Advantages

- \_ Fits direct into SINAMICS
- \_ High quality positioning
- \_ Simple setup and configuration
- \_ Univ. Motion Control Interface



## General Data

Nominal voltage	
- Specific value	24 VDC
- Limit values, min/max	20.4/27.6 VDC
Current consumption no load	<= 150 mA
Device design	
- Type	Multi-Turn
Total resolution	24 Bit
Number of steps per revolution	4096
Number of revolutions	4096
DRIVE-CLiQ - Interface	
- DRIVE-CLiQ	SIEMENS system interface
- Physical Layer	Ethernet
- Connection	Drive system SINAMICS
- Cable length, max.	6FX.002-2DC30-1DA0: <= 30 m
Transmission rate	
- Specific value	100 MBit/s
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
- Operating temperature	60 °C

Subject to change.

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## General Data continuation

- Shaft load, axial/radial	<= 5 N, <= 10 N
Point of origin, shaft load	at the shaft end
Angular acceleration	<= 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	<= 100 m/s <sup>2</sup>
- Sine	50...2000 Hz
Shock	
- Specific value	<= 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	-25...+60 °C
- Optional	-40...+60 °C;
Storage temperature, dry	-30...+80 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP54
- Optional	extended to IP67

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### Dimensional drawing

siehe Produktvorschlag /  
see Product suggestion

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### Suggested products

CEV58M\*4096/4096 DQ 50ZB12N  
Welle mit Nut

CEV58M-00534

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