

Absolute-Encoder CEV582 - EtherNet/IP

[Click Here](#) for Quick Delivery Stock Options



Ref.: K-CEV58_2-EIP-1

21.04.2020

010102058202030201

Advantages

- Customer-specific solutions
- Device Level Ring, DLR
- Diagnostics
- Firmware update via TCP
- Fractions for gear factor
- Preset "on the fly"
- Salt-resistant
- Speed

General Data

Nominal voltage	
- Specific value	24 VDC
- Limit values, min/max	10/30 VDC
Nominal current, typically	
- Specific value	90 mA
- Condition	unloaded
Supply	
- In case of UL / CSA approval	according to NEC Class 2
Device design	
- Type	Single-/Multi-Turn
Total resolution	<= 33 Bit
Number of steps per revolution	<= 32768
Number of revolutions	<= 256000
Output capacity	<= 31 Bit
EtherNet/IP™ - Interface	
- EtherNet/IP™	IEC 61784-1 CP 2/2, IEC 61158
- Physical Layer	Fast Ethernet, ISO/IEC 8802-3
- Device profile	Encoder Device Profile 0x22
Transmission rate	
- Specific value	100 MBit/s
Parameter/Function, changeable	Resolution
	Limit switch

Subject to change.

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General Data continuation

	Adjustment - Parameter
	Scaling parameter
	Counting direction
	Velocity parameter
Type of parametrization	programmable
Programming - Tool	Fieldbus-Device
Maximum Speed, mechanically	≤ 12000 1/min
Shaft load, axial/radial	≤ 50 N, ≤ 100 N
Bearing life time	$\geq 3.9E+10$ revolutions
Bearing life time - Parameter - Speed	6000 1/min
- Operating temperature	60 °C
- Shaft load, axial/radial	= 60 %
Point of origin, shaft load	Mounting flange + 10 mm
Shaft type	
- Shaft diameter [mm]	6
- Shaft diameter [mm]	8
- Shaft diameter [mm]	10
- Shaft diameter [mm]	12
- Shaft diameter ["]	1/4
- Shaft diameter ["]	3/8
- Shaft diameter ["]	1/2
Angular acceleration	$\leq 10E+4$ rad/s ²
Moment of inertia, typically	1.3E-6 kg m ²
Start-up torque, 20 °C	2 Ncm
Mass, typically	0.3 kg

Environmental conditions

Vibration	DIN EN 60068-2-6
- Specific value	≤ 100 m/s ²
- Sine	50...2000 Hz
Shock	DIN EN 60068-2-27
- Specific value	≤ 1000 m/s ²
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2

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Environmental conditions continuation

Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	-20...+75 °C
- Optional	-40...+75 °C;
Storage temperature, dry	-30...+85 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65
Resistance	
- against salt (seawater)	DIN EN IEC 60068-2-52
- Test method	Test method 1
- excluded are	Attachment parts

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Quick Delivery Stock Options (Click Article Number for Data Sheet)

Article Number	Mounting Flange	Shaft	Connector Orientation
<u>CEV582M-00003</u>	36mm Pilot	10x20mm w/Flat	Axial
<u>CEV582M-00004</u>	36mm Pilot	10x20mm w/Flat	Radial
<u>CEV582M-00081</u>	50mm Pilot	6x10mm Round	Radial

Subject to change.

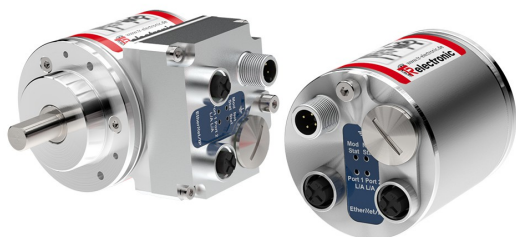
CEV582M*8192/4096 EIP 36ZB10FL

3xM12 axial

[Click Here](#) to go back to Stock Options

OrderNo.:CEV582M-00003

[Click Here](#) for a Quote - customer@tr-electronic.com



Stock photo



Advantages

- Customer-specific solutions
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Technical data for CEV582M-00003

NO.OF STEPS/REV	8.192,000
NO. OF REVOLUTIONS	4.096,000
INTERFACE	ETHERNET IP
CODE	BINARY
SUPPLY VOLTAGE	10-30V
CONNECTOR TYPE	1X4P.M12-CONNECTOR
	2X4P.M12-CONN., D-COD(FEMALE)
CONNECTOR-POSITION	AXIAL
MATING PLUG	NO
FLANGE TYPE	ZB36 3XM3+3XM4
SHAFT TYPE	10FL/19,5
TEMPERATURE RANGE	-20+75°C
PROTECTION Class	IP65
PINOUT NO.	TR-ECE-TI-DGB-0309
DRAWING NO.	04-CEV582M-M0001
DOCUMENTATION NO	DOKUMENTE
EL:	AL:N
ECCN:	ECCN:N
MTTFd [y] (T=45°C, DC=0) >=	100
UL-APPROVALS	USA+CANADA

Subject to change.

CEV582M*8192/4096 EIP 36ZB10FL

3xM12 axial

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21.4.2020 / 010102058202030201

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3xM12 axial

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General data for K-CEV58_2-EIP-1 continuation

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