CEV58M*8192/4096 EPN 36ZB12FL

Order-#: CEV58M-00565
23.10.2017 / 010102005802030201



Stock photo

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

Technical data for CEV58M-00565

NO.OF STEPS/REV	8.192,000
NO. OF REVOLUTIONS	4.096,000
INTERFACE	PROFINET IO
CODE	BINARY
SUPPLY VOLTAGE	11-27V
CONNECTOR TYPE	1X4P.M12-CONNECTOR
	2X4P.M12-CONN., D-COD(FEMALE)
CONNECTOR-POSITION	AXIAL
MATING PLUG	NO
FLANGE TYPE	ZB36
SHAFT TYPE	12FL/25
TEMPERATURE RANGE	-20+70°C
PROTECTION Class	IP65
OPTIONS ENC	CONFORMANCE CLASS C
	PN SPEC. 2.2
	VELOCITY
PINOUT NO.	TR-ECE-TI-DGB-0214
DRAWING NO.	04-CEV58M-M0339
VERSIONNO	000
FIRMWARE NO	4377F9

Subject to change.

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General data for K-CEV58-PN-2

Nominal voltage - Specific value	24 VDC
- Limit values, min/max	11/27 VDC
Nominal current, typically - Specific value	120 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	<= 30 Bit
PROFINET IO - Interface - PROFINET IO – Device	IEC 61158, IEC 61784-1
- Physical Layer	Fast Ethernet, ISO/IEC 8802-3
- PROFINET-Specification	V2.2
- Conformance Class	B, C
- Real-Time-Classes	Class 1, 2 (RT), Class 3 (IRT)
Transmission rate - Specific value	100 MBit/s
Cycle time	>= 1000 µs (IRT/RT)
Speed output - Features	Option
- Cycle time	1 new value / 2 ms
Parameter/Function, changeable	Addressing
	Resolution
	Adjustment - Parameter
	Counting direction
	Velocity parameter
Type of parametrization	programmable
Programming - Tool	Fieldbus-Device
Maximum Speed, mechanically	<= 12000 1/min
Bearing life time	>= 3.9E+10 revolutions
Bearing life time - Parameter - Speed	6000 1/min
- Operating temperature	60 °C
- Shaft load, axial/radial	<= 50 N, <= 100 N
Point of origin, shaft load	Mounting flange + 10 mm

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General data for K-CEV58-PN-2 continuation

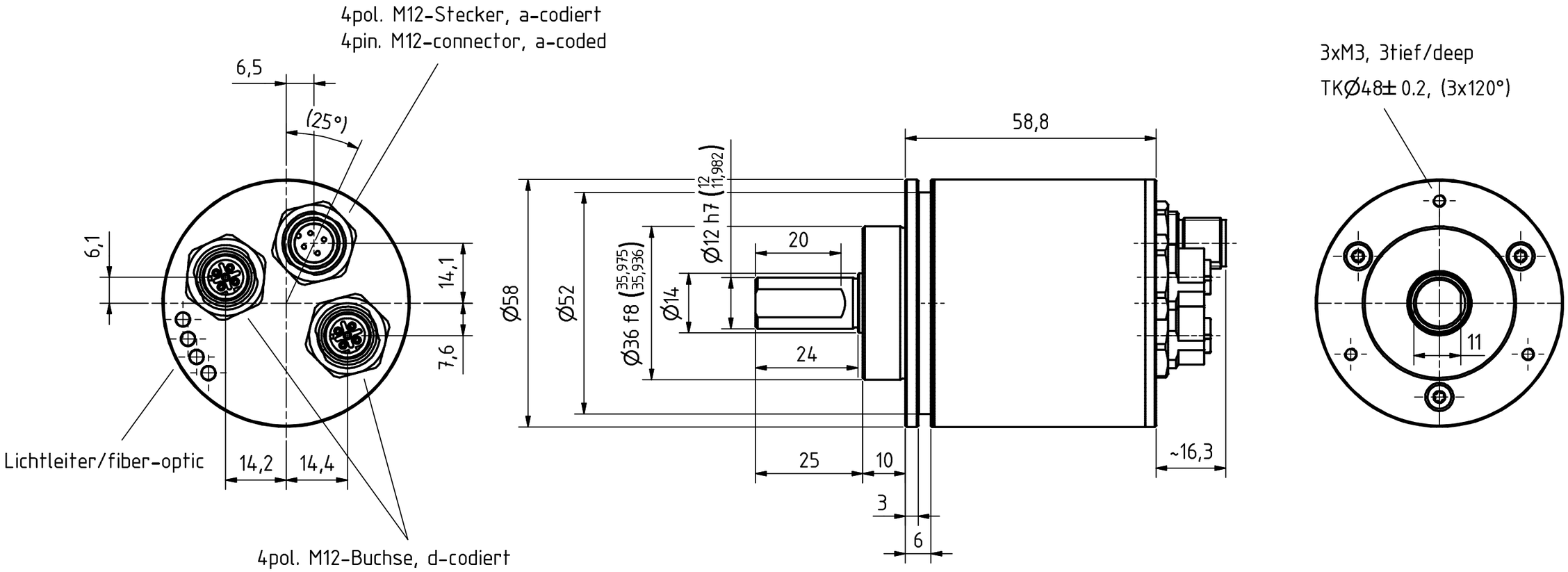
Shaft type - Shaft diameter [mm]	6
- Shaft diameter [mm]	8
- Shaft diameter [mm]	10
- Shaft diameter [mm]	12
- Shaft diameter ["]	3/8
Angular acceleration	<= 10E+4 rad/s²
Moment of inertia, typically	2.5E-6 kg m²
Start-up torque, 20 °C	2 Ncm
Mass, typically	0.3…0.5 kg

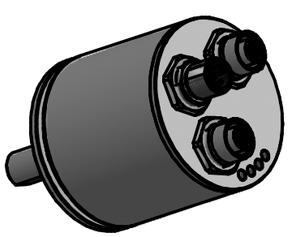
Environmental data

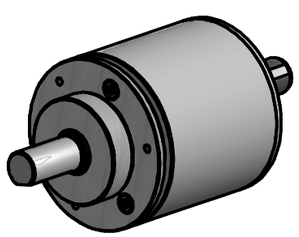
Vibration - Specific value	<= 100 m/s²
- Sine	50…2000 Hz
Shock - Specific value	<= 1000 m/s²
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature - Standard	-20…+70 °C
Storage temperature, dry	-30…+80 °C
Relative humidity	98 %, non condensing
Protection class - Standard	IP65

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Artikel-Nr. und Steckerbelegung: siehe Datenblatt
Article-No. and pin connections: see data sheet

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	Datum	Name
Erstellt	04.04.2014	FLAIG
Bearb.	04.04.2014	FLAIG
Gepr.	07.04.2014	NEMECZ
Norm		

Zust.	Änderungen	Datum	Name

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Maßstab 1:1 DIN A3 Projekt-Nr.:

Zeichnungs-Nr. nur für diese Ausführung gültig
Drawing-No. only for this type valid

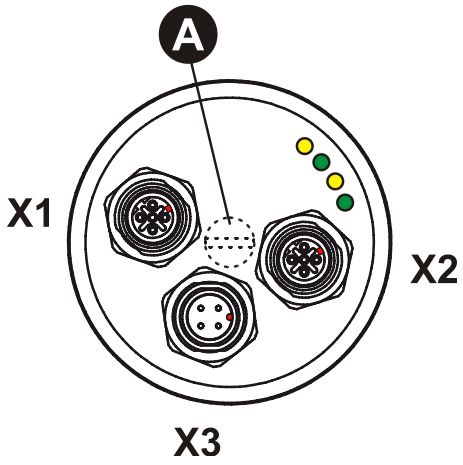
CEV-58-M, 36er Zentr.

Zeichnungs-NR../Drawing-No.:
04-CEV58M-M0339

Blatt 1
1 Bl

Steckerbelegung / Pin assignment

CEx-58 / COx-58 PROFINET Interface (3 x M12)

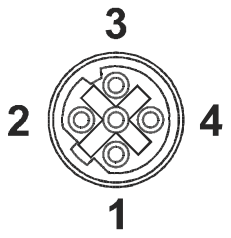


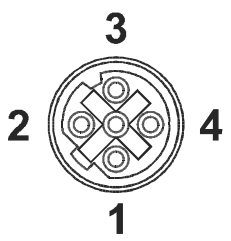
Die Schirmung ist großflächig auf das Gegensteckergehäuse aufzulegen!

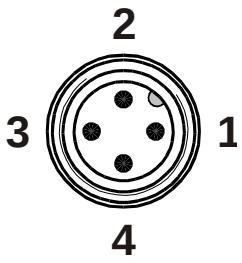
The shielding is to be connected with large surface on the mating connector housing!

A: Option RESET-Button

- 1s ↓:
  -> Device Name -
  -> IP address: 0.0.0.0
  -> Subnet mask: 0.0.0.0
  -> Device re-starts

X1	PORT 1 Flanschdose / *Female socket* (M12x1-4 pol. D-coded)				
1	TxD+	Sendedaten +	*Transmission Data +*	Steckseite *Mating Face*	
2	RxD+	Empfangsdaten +	*Receive Data +*		
3	TxD–	Sendedaten –	*Transmission Data –*		
4	RxD–	Empfangsdaten –	*Receive Data –*		

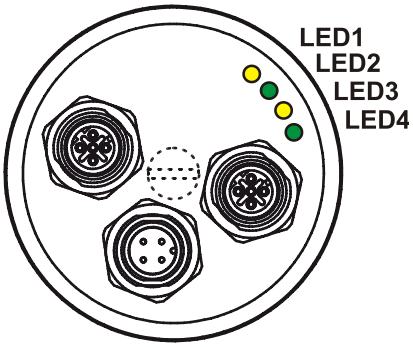
X2	PORT 2 Flanschdose / *Female socket* (M12x1-4 pol. D-coded)				
1	TxD+	Sendedaten +	*Transmission Data +*	Steckseite *Mating Face*	
2	RxD+	Empfangsdaten +	*Receive Data +*		
3	TxD–	Sendedaten –	*Transmission Data –*		
4	RxD–	Empfangsdaten –	*Receive Data –*		

X3	Flanschstecker / *Male socket* (M12x1-4 pol. A-coded)			
1	11 – 27 V DC	Encoder-Versorgungspannung / *Encoder-Supply Voltage*	Steckseite *Mating Face*	
2	-	**darf nicht beschaltet werden!** ***must not be connected!***		
3	0 V	Encoder-Versorgungspannung / *Encoder-Supply Voltage*		
4	-	**darf nicht beschaltet werden!** ***must not be connected!***		

Änderungen vorbehalten / Subject to change

Steckerbelegung / Pin assignment

Status-LEDs

	LED1: PORT1, Data LED2: PORT1, Link LED3: PORT2, Data LED4: PORT2, Link

●	EIN / *ON*	○	AUS / *OFF*	◉	BLINKEND / *FLASHING*

Link-LEDs (grün / *green*)	
●	Physikalische Verbindung vorhanden / *Physical connection available*
○	Keine physikalische Verbindung vorhanden / *No physical connection available*

Data-LEDs (gelb / *yellow*)	
○	Kein Datenaustausch / *No data transfer*
◉	Datenaustausch / *data transfer*

Blinkmodus durch Projektier-Tool / *Flashing mode due to development tool*	
◉	2 Hz, grüne LEDs *2 Hz, green LEDs*

Bestellangaben zum Ethernet Steckverbinder, passend zur Flanschdose M12x1-4 pol. D-kodiert /
Order numbers for the Ethernet connector, suitably for the D-coded female socket M12x1-4 pol.

Hersteller / ***Manufacturer***	Bezeichnung / ***Name***	Art-No.:
Binder	Series 825	99 3729 810 04
Binder	Series 825 Edelstahl / *stainless steel*	99 3729 995 04
Phoenix Contact	SACC-M12MSD-4CON-PG 7-SH (PG 7)	15 21 25 8
Phoenix Contact	SACC-M12MSD-4CON-PG 9-SH (PG 9)	15 21 26 1
Harting	HARAX® M12-L	21 03 281 1405

Änderungen vorbehalten / Subject to change