

Absolute-Encoder CMS58 - A



Ref.: K-CMS58-A-1

18.11.2013

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Advantages

- Current- or voltage output
- Further interfaces available
- Rugged standard solution
- Short lead times
- Small construction

General Data

Supply	
- Supply voltage	12...30 VDC
Current consumption no load	<= 150 mA
Device design	
- Type	Single-/Multi-Turn
Total resolution	<= 24 Bit
Number of steps per revolution	<= 4096
Number of revolutions	<= 4096
Accuracy	± 0,5 °
Analog - Interface	
- Voltage/Current	programmable
- Resolution	12 Bit D/A converter
- Voltage output	-10...+10 VDC
- Load resistance (U)	>= 1 kOhm
- Current output	0...24 mA
- Load resistance (I)	<= 500 Ohm
Cycle time	500 µs
Parameter/Function, changeable	Resolution
	Analog Voltage/Current
	Preset parameter
	Counting direction

Subject to change.

TR-Electronic GmbH
 Eglishalde 6
 78647 Trossingen
 Tel. +49 (0) 7425 228-0
 info@tr-electronic.de
www.tr-electronic.de

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General Data continuation

Type of parametrization	programmable
Prgramming - Tool	TR-Soft: TRWinProg
External inputs	
- F/R	Count direction
- Preset	electronic adjustment
- Logic level	"0" < +2V, "1" = Supply
Maximum Speed, mechanically	<= 12000 1/min
Shaft load, axial/radial	Own mass
Bearing life time	>= 3.9E+10 revolutions
Bearing life time - Parameter	
- Speed	6000 1/min
- Operating temperature	60 °C
Angular acceleration	<= 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	
- Specific value	<= 100 m/s ²
- Sine	50...2000 Hz
Shock	
- Specific value	<= 1000 m/s ²
- 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...+85 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65

Subject to change.

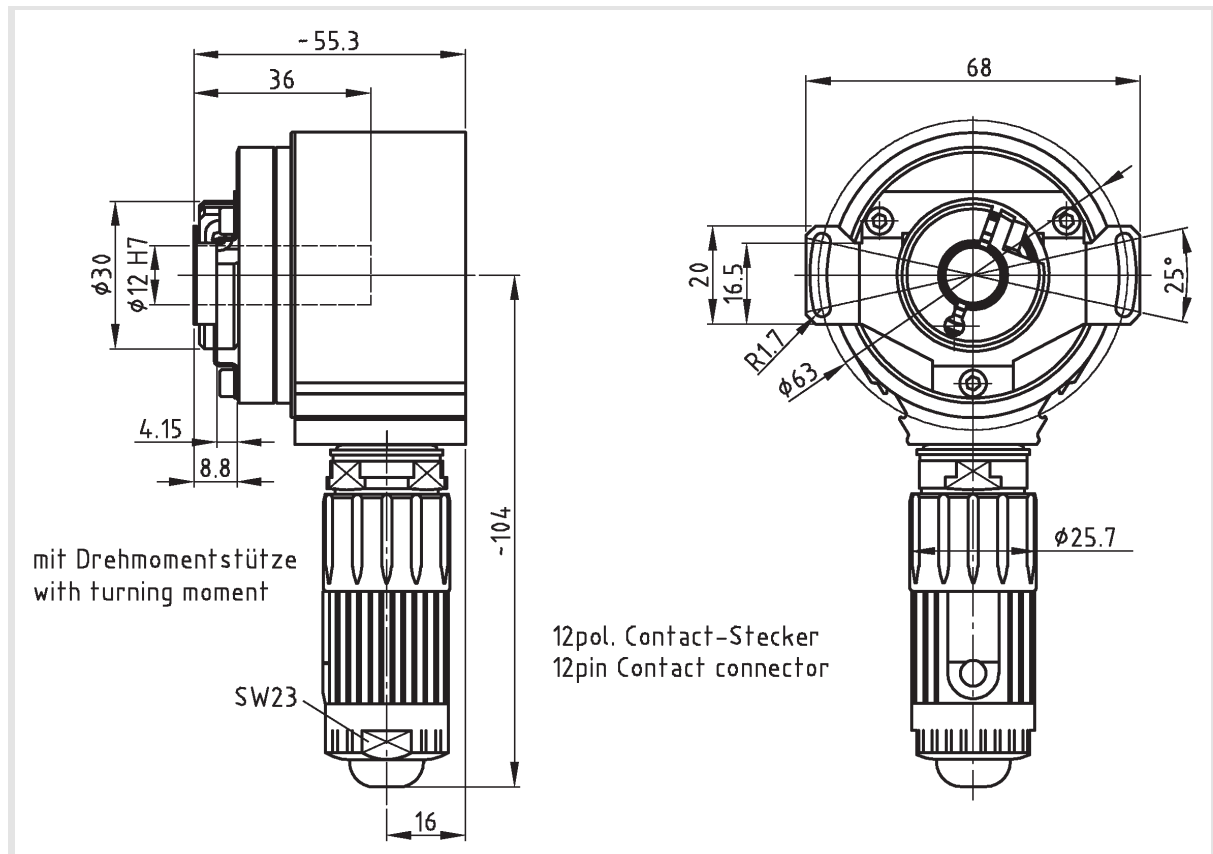
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Dimensional drawing



Suggested products

CMS58M*4096/16 ANA_I 12H7
4...20 mA Stecker 12 pol M23

CMS58M-00024

CMS58S*4096/1 ANA_U 12H7
0...10 V Stecker 12 pol M23

CMS58S-00009

Subject to change.