

Absolute-Encoder CMH58 - SSI



Ref.: K-CMH58-SSI-1

18.11.2013

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Advantages

- Economical alternative
- Further interfaces available
- Rugged standard solution
- Short lead times
- Small construction

General Data

Supply	
- Supply voltage	11...27 VDC
Current consumption no load	<= 150 mA
Device design	
- Type	Single-/Multi-Turn
Total resolution	<= 23 Bit
Number of steps per revolution	<= 2048
Number of revolutions	<= 4096
Accuracy	± 1,0 °
SSI - Interface	
- SSI-Clock input	Optocoupler
- SSI-Data output	RS-422, 2-wire
- SSI-Clock frequency	80...1000 kHz
- SSI-Mono time, typically	20 µs
Parameter/Function, changeable	Resolution
	Output code
	Number of data bits
	Preset parameter
	Counting direction
Type of parametrization	programmable
Prgramming - Tool	TR-Soft: TRWinProg

Subject to change.

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General Data continuation

External inputs	
- F/R	Count direction
- Preset	electronic adjustment
- Logic level	"0" < +2V, "1" = Supply
Maximum Speed, mechanically	≤ 6000 1/min
Shaft load, axial/radial	Own mass
Bearing life time	$\geq 3.9E+10$ revolutions
Bearing life time - Parameter	
- Speed	6000 1/min
- Operating temperature	60 °C
Angular acceleration	$\leq 10E+4$ rad/s ²
Moment of inertia, typically	1.5E-6 kg m ²
Start-up torque, 20 °C	3.7 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	IP54

Subject to change.

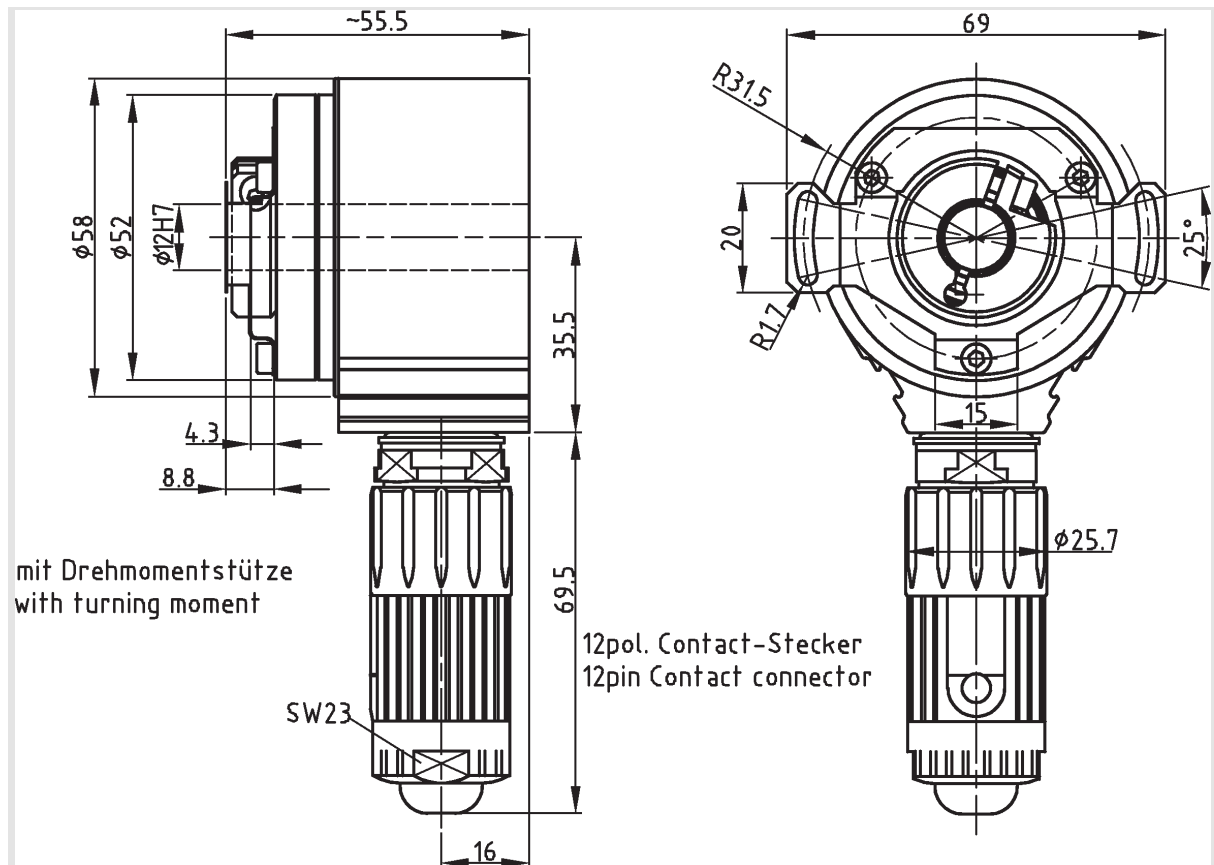
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Dimensional drawing



Suggested products

CMH58M*4096/4096 SSI 12H7
Preset V/R Stecker 12 pol M23

CMH58M-00005

CMH58S*4096/1 SSI 12H7
Preset V/R Stecker 12 pol M23

CMH58S-00002

Subject to change.