Absolute-Encoder CMS58 - PB

Ref.: K-CMS58-PB-1
18.11.2013
010102005801020203

Field-Bus

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 °
PROFIBUS - Interface - PROFIBUS-DP V0	IEC 61158, IEC 61784
- PNO Encoder-Profile	Class 1 and 2
Transmission rate - Specific value	9.6…12000 kbit/s
Parameter/Function, changeable	Resolution
	Output code
	Limit switch
	Preset parameter
	Adjustment - Parameter
	Counting direction
	Velocity parameter
Type of parametrization	programmable

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

Prgramming - Tool	Fieldbus-Device
External inputs - 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/s²
Moment of inertia, typically	1.3E-6 kg m²
Start-up torque, 20 °C	2 Ncm
Mass, typically	0.3 kg

Environmental conditions

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	0…+60 °C
- Optional	-20…+70 °C;
Storage temperature, dry	-30…+85 °C
Relative humidity	98 %, non condensing
Protection class - Standard	IP65

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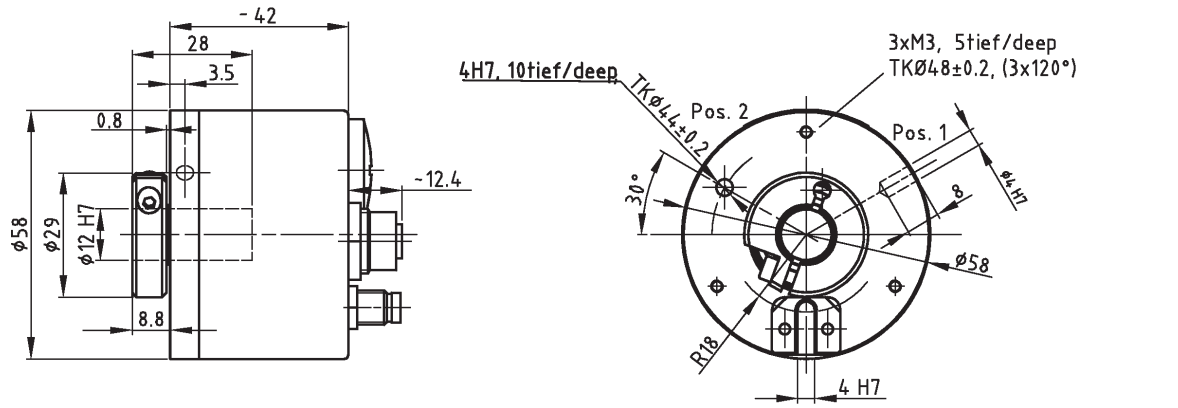
Dimensional drawing



Suggested products

CMS58M*4096/4096 PBS SACK-HW12H7 2x 5 pol M12 1x 4 pol M8	CMS58M-00005
CMS58S*4096/1 PB 12H7 2x 5 pol M12 1x 4 pol M8	CMS58S-00004

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