

## Absolute-Encoder CEK58S - P

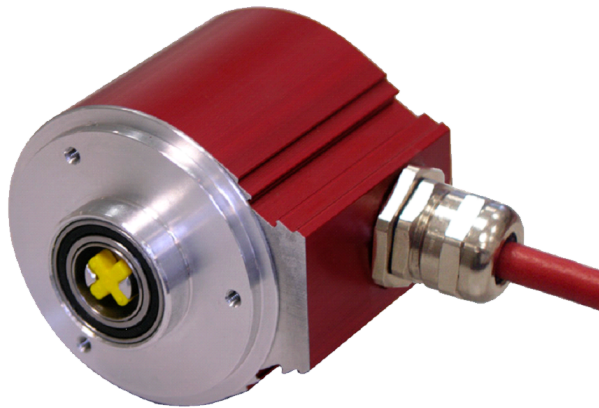
Ref.: K-CEK58-P-1

18.11.2013

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### Advantages

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



### General Data

Supply	
- Supply voltage	11...27 VDC
Current consumption no load	<= 350 mA
Device design	
- Type	Single-Turn
Total resolution	<= 13 Bit
Number of steps per revolution	<= 8192
Parallel - Interface	
- Parallel Output	Position data
- Push-Pull	11...27 VDC
Incremental - Interface	
- Equipment	Optional interface
- Incremental signals, square	$K1 \pm K2 \pm$
- Impulses, square wave	1024 or 2048
- Output driver, TTL	RS-422, 5 VDC
Parameter/Function, changeable	Resolution
	Output code
Type of parametrization	programmable
Prgramming - Tool	TR-Soft: TRWinProg
External inputs	
- F/R	Count direction
- Preset	electronic adjustment

Subject to change.

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## General Data continuation

- Latch	Storage of the output data
- Logic level	"0" < +2V, "1" = Supply
Maximum Speed, mechanically	<= 12000 1/min
Shaft load, axial/radial	radial coupling forces
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 <sup>2</sup>
Moment of inertia, typically	2.5E-6 kg m <sup>2</sup>
Start-up torque, 20 °C	2 Ncm
Mass, typically	0.3...0.5 kg

## Environmental conditions

Vibration	
- Specific value	<= 100 m/s <sup>2</sup>
- Sine	50...2000 Hz
Shock	
- Specific value	<= 1000 m/s <sup>2</sup>
- 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...+80 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65

Subject to change.

