Absolute-Encoder CEV58S - P

Ref.: K-CEV58-P-1
18.11.2013
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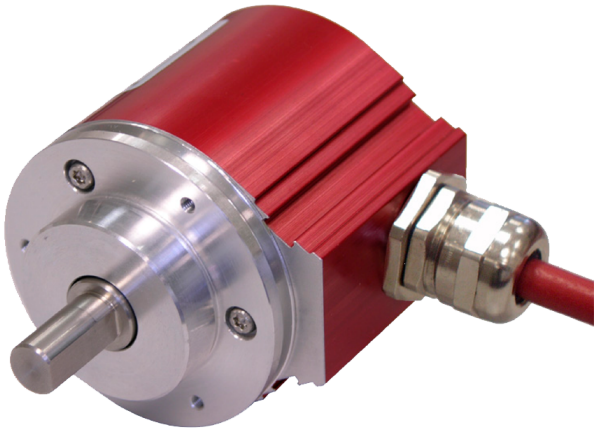

TRWin-Prog

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± K2±
- 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	<= 10 N, <= 20 N
Bearing life time	>= 3.9E+10 revolutions
Bearing life time - Parameter - Speed	6000 1/min
- Operating temperature	60 °C
- Shaft load, axial/radial	<= 5 N, <= 10 N
Point of origin, shaft load	at the shaft end
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 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…+80 °C
Relative humidity	98 %, non condensing
Protection class - Standard	IP65

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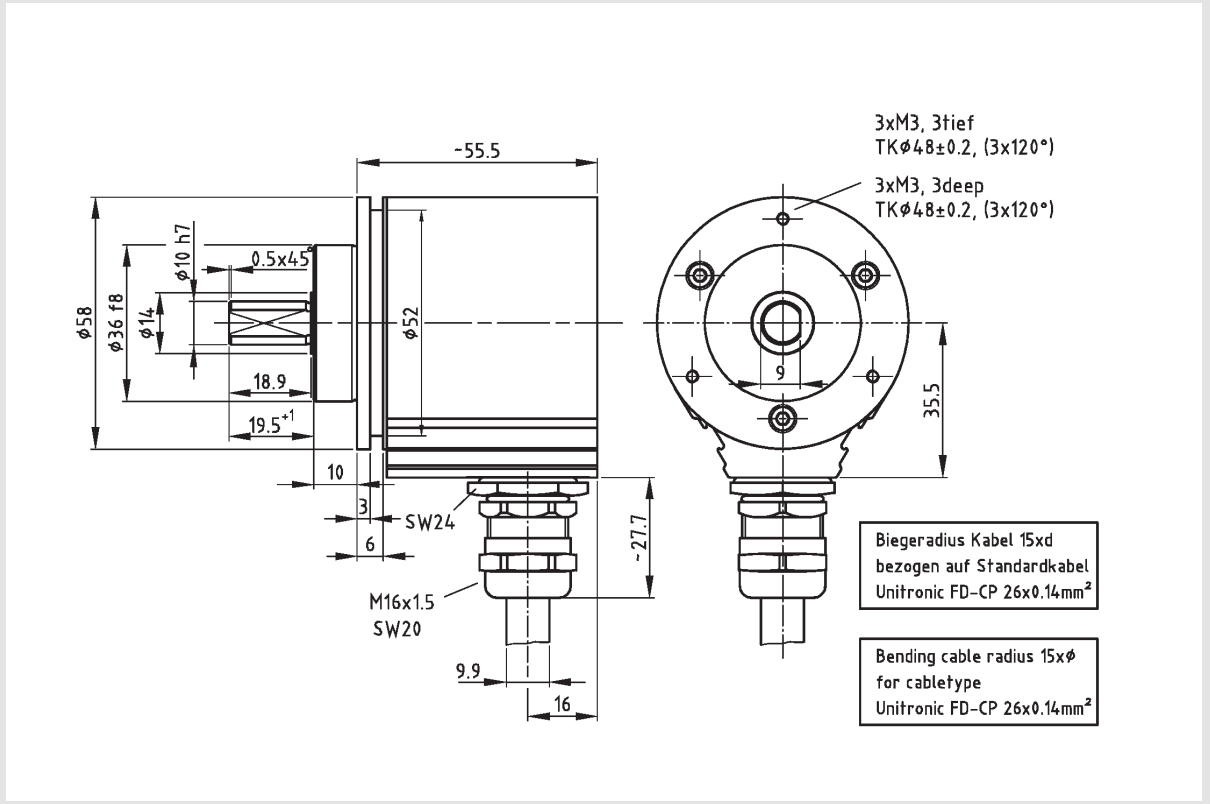
Dimensional drawing



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