

Absolute-Encoder CMV22 - SSI

Ref.: K-CMV22-SSI-1

18.11.2013

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Advantages

- Alternative for potentiometers
- Customer-specific solutions
- Further interfaces available
- Very small construction



General Data

Supply	
- Supply voltage	7...26 VDC
Current consumption no load	<= 50 mA
Device design	
- Type	Single-/Multi-Turn
Total resolution	<= 20 Bit
Number of steps per revolution	<= 4096
Number of revolutions	<= 256
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
Cycle time	500 µs
Parameter/Function, changeable	Resolution
	Output code
	Preset parameter
	SSI-Output
	Counting direction
Type of parametrization	programmable

Subject to change.

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General Data continuation

Prgramming - Tool	TR-Soft: TRWinProg
External inputs	
- Function input	Count direction or Preset
- Type of parametrization	programmable
- Logic level	"0" < +2V, "1" = Supply
Maximum Speed, mechanically	<= 10000 1/min
Shaft load, axial/radial	<= 10 N, <= 5 N
Bearing life time	>= 30E+9 revolutions
Bearing life time - Parameter	
- Speed	3000 1/min
- Operating temperature	<= 25 °C
- Shaft load, axial/radial	<= 5 N, <= 2,5 N
Point of origin, shaft load	at the shaft end

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
Storage temperature, dry	0...+85 °C
Protection class	
- Standard	IP64

Subject to change.

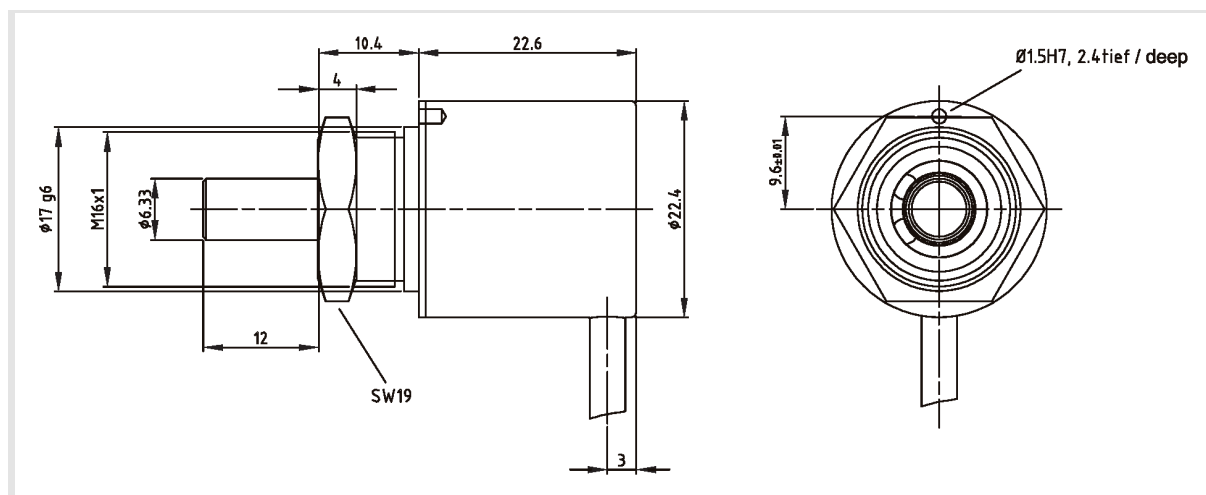
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Dimensional drawing



Suggested products

CMV22M*4096/256 SSI 1/4"X12 0,5 m Ltg. programmierbar	CMV22M-00005
CMV22M*4096/256 SSI 1/4"X12 0,5 m Ltg. Preseteingang	CMV22M-00010
CMV22S*4096/1 SSI 1/4"X12 0,3 m Ltg. Preset	CMV22S-00003

Subject to change.