

Absolute-Encoder CMV362 - SSI



Ref.: K-CMV36_2-SSI-1

16.08.2023

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Advantages

- Customer-specific solutions
- M12 plug-in technology
- Magnetic scanning unit
- Parameterizable gear unit
- Rugged mechanics
- Very small construction

General Data

Nominal voltage	
- Specific value	24 VDC
- Limit values, min/max	10/30 VDC
Nominal current, typically	
- Specific value	30 mA
- Condition	unloaded
Supply	
- In case of UL / CSA approval	according to NEC Class 2
Device design	
- Type	Single-/Multi-Turn
Total resolution	Single-Turn <= 13 Bit
	Multi-Turn <= 31 Bit
Number of steps per revolution	<= 8192
Number of revolutions	Single-Turn = 1
	Multi-Turn <= 256000
Output capacity	<= 30 Bit
SSI - Interface	
- SSI-Clock input	Optocoupler
- SSI-Data output	RS-422, 2-wire
- SSI-Clock frequency	80...1000 kHz

Subject to change.

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General Data continuation

- SSI-Mono time, typically	9...41 µs
- SSI-Mono time, typically	20 µs
- Output code	Binär, Gray, Gray clipped
- Number of data bits	1...64
- Type of parametrization	programmable
Cycle time	125 µs
Parameter/Function, changeable	Resolution
	Output code
	Output format
	Number of data bits
	Movement status signal
	Limit switch
	Error signal
	Mono time
	Offset
	Preset parameter
	Parity
	Direction signal
	Special bits
	Overspeed
	Sign
	Counting direction
	Gear function
Type of parametrization	programmable
Programming - Tool	TR-Soft: TRWinProg
External inputs	
- F/R	Count direction
- Preset	electronic adjustment
- Logic level	"0" < +2V, "1" = Supply
Maximum Speed, mechanically	<= 15000 1/min
Shaft load, axial/radial	<= 40 N, <= 80 N
Bearing life time	>= 3.9E+10 revolutions
Bearing life time - Parameter	
- Speed	6000 1/min
- Operating temperature	60 °C
- Shaft load, axial/radial	= 60 %
Point of origin, shaft load	Mounting flange + 8 mm

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General Data continuation

Shaft type	
- Shaft diameter [mm]	6
- Shaft diameter [mm]	8
- Shaft diameter [mm]	10
Angular acceleration	$\leq 10E+4 \text{ rad/s}^2$
Moment of inertia, typically	$0.5E-6 \text{ kg m}^2$
Start-up torque, 20 °C	1 Ncm
Mass, typically	0.1...0.3 kg

Environmental conditions

Vibration	DIN EN 60068-2-6
- Specific value	$\leq 100 \text{ m/s}^2$
- Sine	50...2000 Hz
Shock	DIN EN 60068-2-27
- Specific value	$\leq 1000 \text{ m/s}^2$
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	-20...+75 °C
- Optional	-40...+85 °C;
Storage temperature, dry	-30...+85 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65

Subject to change.

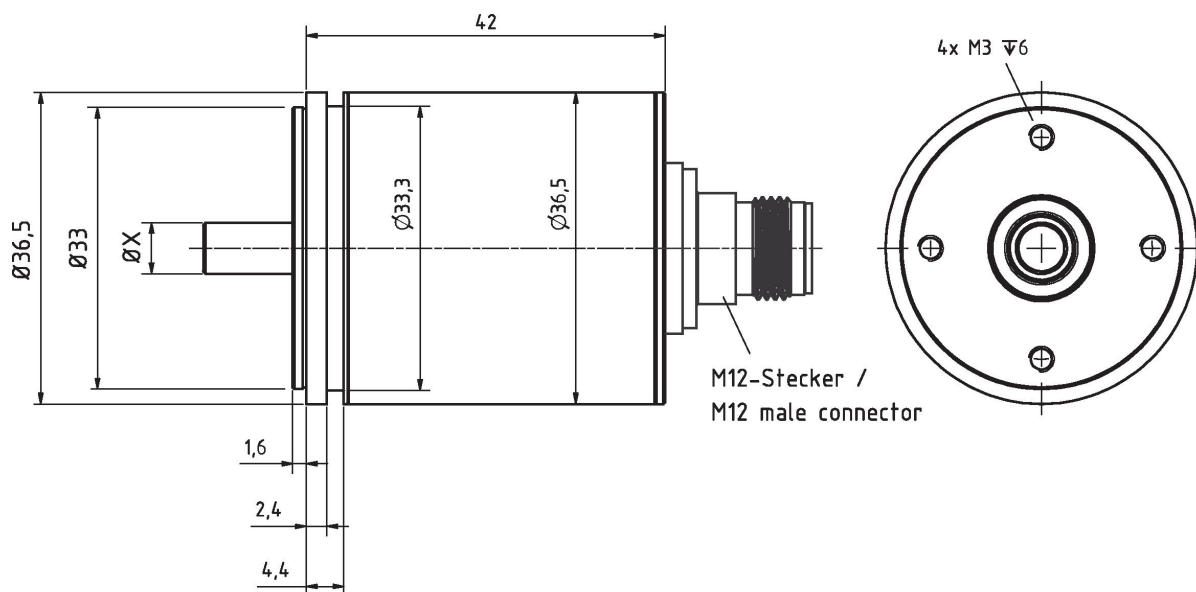
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Dimensional drawing



Fehlende Abmaße, sowie abweichendes Design, siehe Art.-Nr. – bezogene Zeichnung /
Missing dimensions, as well as deviating design, see part no. – related drawing

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Suggested products

CMV362M*8192/4096 SSI 33ZB6GL	CMV362M-00002
CMV362M*8192/4096 SSI 33ZB8GL	CMV362M-00004
CMV362M*8192/4096 SSI 33ZB10FL	CMV362M-00005
CMV362M*8192/4096 SSI 33ZB6GL	CMV362M-00012

Subject to change.