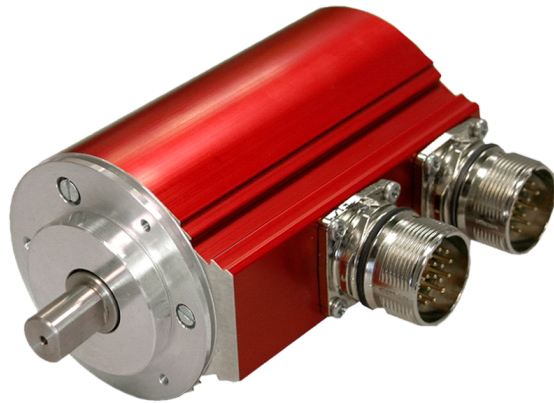


## Absolute-Encoder CDV58 - M



Ref.: K-CDV58-M-1

18.11.2013

010102005804010201

### Advantages

- \_ Further interfaces available
- \_ Modular mechanical design
- \_ Modular product line
- \_ Redundant scanning system

### General Data

Supply	
- Supply voltage	11...27 VDC
- Multi feeding	dual
Current consumption no load	<= 700 mA
Device design	
- Type	Single-/Multi-Turn
- Redundant scanning system	yes, double
Number of steps per revolution	<= 8192
Number of revolutions	<= 256000
Interface - variants	
- System 1	System 2
- SSI	SSI, Incremental + progr.
- Incremental	Incremental + progr.
- Incremental, programmable	Incremental, progr.
- Position deviation system 1/2	<= ± 1
Parameter/Function, changeable	Resolution
Type of parametrization	programmable
Prgramming - Tool	TR-Soft: TRWinProg
Maximum Speed, mechanically	<= 6000 1/min
Shaft load, axial/radial	<= 10 N, <= 20 N
Bearing life time	>= 3.9E+10 revolutions

Subject to change.

TR-Electronic GmbH  
 Eglisshalde 6  
 78647 Trossingen  
 Tel. +49 (0) 7425 228-0  
 info@tr-electronic.de  
[www.tr-electronic.de](http://www.tr-electronic.de)

## Absolute-Encoder CDV58 - M

Ref.: K-CDV58-M-1  
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### General Data continuation

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/s <sup>2</sup>
Moment of inertia, typically	5E-6 kg m <sup>2</sup>
Start-up torque, 20 °C	4 Ncm
Mass, typically	0.6 kg...1 kg

### Environmental conditions

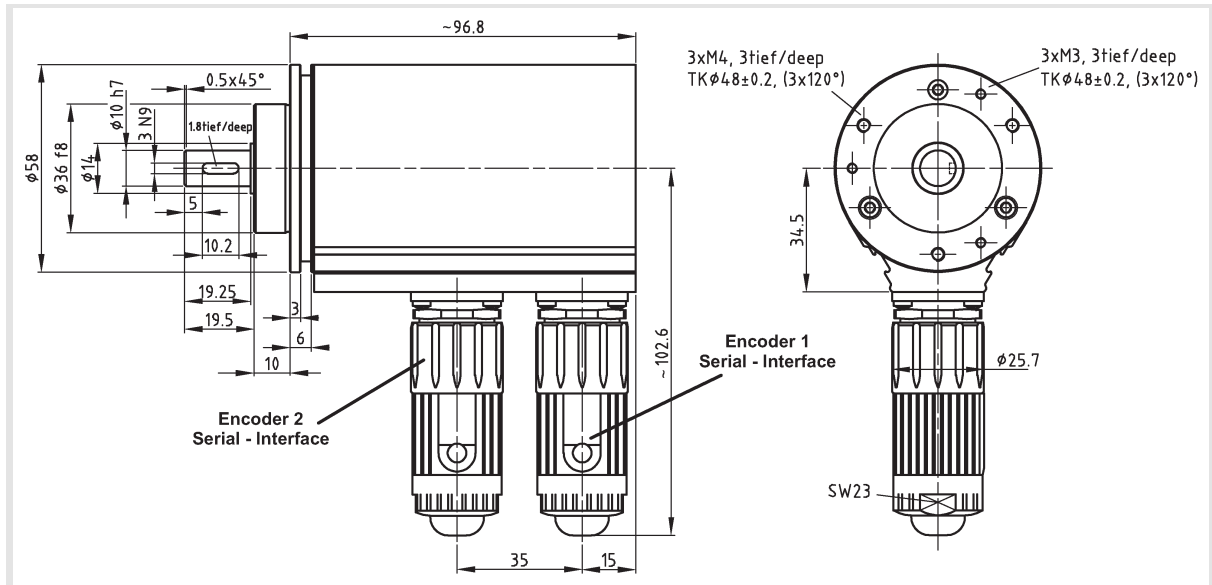
Vibration	
- Specific value	<= 100 m/s <sup>2</sup>
- Sine	50...2000 Hz
Shock	
- Specific value	<= 1000 m/s <sup>2</sup>
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	0...+60 °C
- Optional	-20...+70 °C;
Storage temperature, dry	-30...+80 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65

Subject to change.

# Absolute-Encoder CDV58 - M

Ref.: K-CDV58-M-1  
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## Dimensional drawing



Subject to change.