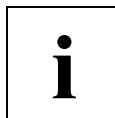
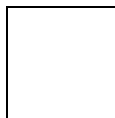
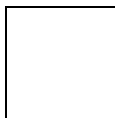
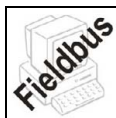


Absolute-Encoder CMV 58 S/M - CO

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 Tel. +49 - (0) 74 25 / 228 - 0
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 Germany



- **CANopen interface**
- **Type with solid shaft**
- **Very compact and small construction**
- **Rugged standard solution**
- **Economical alternative to the CE series**
- **Short lead times**
- **Further interfaces available**

5.A

Characteristics

Supply voltage.....	11...27 VDC
Current consumption without load	< 150 mA
Total resolution ¹⁾	Multi-Turn: ≤ 23 Bit, Single-Turn: ≤ 11 Bit
Number of steps/revolution ¹⁾	≤ 2.048
Number of revolutions ¹⁾	Multi-Turn: ≤ 4.096, Single-Turn: 1
CANopen.....	EN 50325-4
Bus connection.....	ISO 11898-1, ISO 11898-2
CAN Specification 2.0 A.....	11-bit identifier
Device profile for encoders	CiA DS 406
- Parameter ¹⁾	Switch-over count direction, scaling function, preset adjustment
Layer Setting Services, LSS	CiA DS 305 V2.0
- Node-ID ¹⁾	1...64
- Baud rate ¹⁾	20 kbit/s, 125 kbit/s, 500 kbit/s, 1 Mbit/s
- Alternative.....	Node-ID and Baud rate adjustable by means of DIP-switches
Output code.....	Binary
Mechanically permissible speed	≤ 12.000 min ⁻¹
Shaft load, at the shaft end	≤ 10 N axial, ≤ 20 N radial
Bearing life time	≥ 3.9 * 10 ¹⁰ revolutions at
- Speed	≤ 6.000 min ⁻¹
- Operating temperature	≤ 60 °C
- Shaft load, at the shaft end.....	≤ 5 N axial, ≤ 10 N radial
Permissible angular acceleration	≤ 10 ⁴ rad/s ²
Moment of inertia	typically 1.3 * 10 ⁻⁶ kg m ²
Start-up torque at 20°C	typically 2 Ncm
Mass.....	typically 0.3 kg
Accuracy	± 1°

¹⁾ programmable parameter

Environmental conditions

Vibration, DIN EN 60068-2-6: 1996.....	≤ 100 m/s ² , sine 50-2000 Hz
Shock, DIN EN 60068-2-27: 1995.....	≤ 1000 m/s ² , half-sine 11ms
EMC	
- Transient emissions, DIN EN 61000-6-3: 2007	
- Immunity to disturbance, DIN EN 61000-6-2: 2006	
Working temperature.....	0 °C...+60 °C
Storage temperature.....	-30 °C...+85 °C, dry
Relative humidity, DIN EN 60068-3-4: 2002	98 %, non condensing
Protection class, DIN EN 60529: 1991 ²⁾	IP 65

²⁾ valid with screwed on mating connector and / or screwed together cable gland

Dimension drawing

