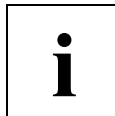
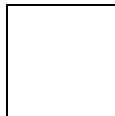
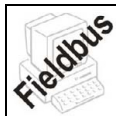


Absolute-Encoder CMV 58 S/M - PB

Eglshalde 6
 D-78647 Trossingen
 Tel. +49 - (0) 74 25 / 228 - 0
 Fax +49 - (0) 74 25 / 228 - 33
<http://www.tr-electronic.de>
 Germany



- PROFIBUS-DP 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
Profibus-DP V0	IEC 61158, IEC 61784
PNO Encoder-Profile.....	Class 1 and 2
- Parameter ¹⁾	Switch-over count direction, scaling function etc.
Output code ¹⁾	Binary, Gray
Addressing	3...99, adjustable by means of rotary switches
Baud rate.....	9.6 kbit/s...12 Mbit/s
TR-specific functions ¹⁾	Velocity output, soft limit switches
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

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

