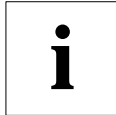


Absolute-Encoder CE-65-S IBS



- **Small and Compact**
- **Single-Turn**
- **Interbus-S**
- **Programmable Over The Interbus-S**
- **Standard Interchangeable Mounting Flanges**

Electrical Data

Encoder Capacity	max. 13 Bit
Steps / Revolution	8192 Steps / Rev
Number of Revolutions	1 Revolution
Supply Voltage	11-27 VDC
Power Dissipation (No Load)	< 4 Watt
Programmable Over Interbus-S	2 Wire Long Distance Field Bus, RS422, Electrically Isolated
Output Codes (programmable)	Binary, Gray
Baud Rate	300 kbaud min., 500 kbaud max. Including Control and Status Bytes
Refresh Rate	0.5 ms
Identification Number	51 Decimal
Programmable Parameters (via IBS bus)	
Direction of Count	
Number of Steps per Revolution	
Number of Revolutions	
Preset Value	
Output Code	
Pin Configuration	Upon Request

Environmental Data

Electromagnetic compatibility (EMC)	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating Temperature.....	0°-60°C (32° to 140° F) / (Optional -20° to +70°C) (-4° to 158° F)
Extended Temperature (Optional).....	-30° to +80°C (-22° to 176°F)
Relative Humidity.....	98 % (non condensing)
* Protection Class	IP 65 (DIN 40 050)
* The protection class of the encoder can be effected by the type of cable used.	

Mechanical Data

Maximum Rotational Speed	6000 RPM
Maximum Load on Shaft	40 N Axial, 60 N Radial (at end of shaft)
Lifetime on Bearings	3.9 x 10 ¹⁰ Revolutions at:
-Operational Speed	3000 RPM
-Load on Shaft.....	20 N Axial, 30 N Radial (at end of shaft)
-Operating Temperature	60°C (140°F)
Weight	0.7 kg (1.5 lb.)
Maximum Angular Acceleration	≤ 10 ⁴ rad/s ²
Momentum of Inertia.....	2.5 x 10 ⁻⁶ kg m ²
Startup Momentum at 20°C (68°F).....	2 Ncm
Vibration (50-2000 Hz Sinusoidal)	
DIN IEC 68-2-6	≤ 100 m/s ² (10g)
Shock (11ms) DIN IEC 68-2-27	≤ 1000 m/s ² (100g)
Standard Connector.....	3XPG7 radial mount

Dimensional Drawing

