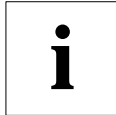
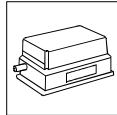


Absolute-Encoder CE-65-M SUCONET K1

Eglshalde 6
 D-78647 Trossingen
 Tel. +49 - (0) 74 25 / 228 - 0
 Fax +49 - (0) 74 25 / 228 - 33
 Germany



- **Small and Compact**
- **Multi-Turn**
- **SUCONET-Fieldbus-Interface**
- **Programmable via SUCONET-Bus**
- **Standard Interchangeable Mounting Flanges**

5**Electrical Data**

Encoder Capacity	max. 25 Bit
Steps / Revolution	8192 Steps / Rev
Number of Revolutions	4096 Revolutions
Supply Voltage	11-27 V DC
Power Dissipation (No Load)	< 4 Watt
Programming via Bus	Fieldbus Connection Suconet K1
Output Code	Binary
Data Protocol.....	2-wire, RS485 (Master-Slave)
Baud Rate	187,5 kbaud
Maximum Stations	max. 31, adjustable by DIP-switches
User Modules	PS 3, PS 306, PS 316, *PS 4-100, *PS 4-200, *PS 416
Programmable Parameters	
Count Direction	
Steps (Measuring Length)	
Scale Factor	
Preset Value (Adjust absolute position to a given set value (i.e. zero set)	
Pin Configuration	Upon Request

* only if compatible to PS 3

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.....	12 pin Contact Connector

Dimensional Drawing

