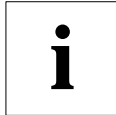
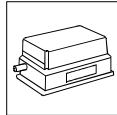


**Absolute-Encoder CE-65-S SUCONET K1**

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



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

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**Electrical Data**

Encoder Capacity .....	max. 13 Bit
Steps / Revolution .....	8192 Steps / Rev
Number of Revolutions .....	1 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

mechanisch zulässige Drehzahl.....	6000 min <sup>-1</sup>
zulässige Wellenbelastung .....	40 N axial, 60 N radial (am Wellenende)
minimale Lagerlebensdauer.....	3,9 x 10 <sup>10</sup> Umdrehungen bei:
-Betriebsdrehzahl .....	3000 min <sup>-1</sup>
-Wellenbelastung .....	20 N axial, 30 N radial (am Wellenende)
-Betriebstemperatur.....	60°C
Masse.....	ca. 0,7 kg
max. Winkelbeschleunigung .....	≤ 10 <sup>4</sup> rad/s <sup>2</sup>
Trägheitsmoment.....	2,5 x 10 <sup>-6</sup> kg m <sup>2</sup>
Anlaufdrehmoment bei 20°C.....	2 Ncm
Vibrationsbelastung (Sinus 50-2000 Hz)	
nach DIN IEC 68-2-6.....	≤ 100 m/s <sup>2</sup> (10g)
Schockbelastung (11ms) nach DIN IEC 68-2-27.....	≤ 1000 m/s <sup>2</sup> (100g)
Anschluß.....	12 pin. Contact-Connector - Axial

### Dimensional Drawing

