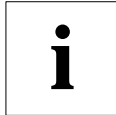


## Absolute-Encoder CE-65-M IBS



- **Small and Compact**
- **Multi-Turn**
- **Interbus-S**
- **Programmable via Interbus-S**
- **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 VDC
Power Dissipation (No Load) .....	< 4 Watt
Programmable via 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

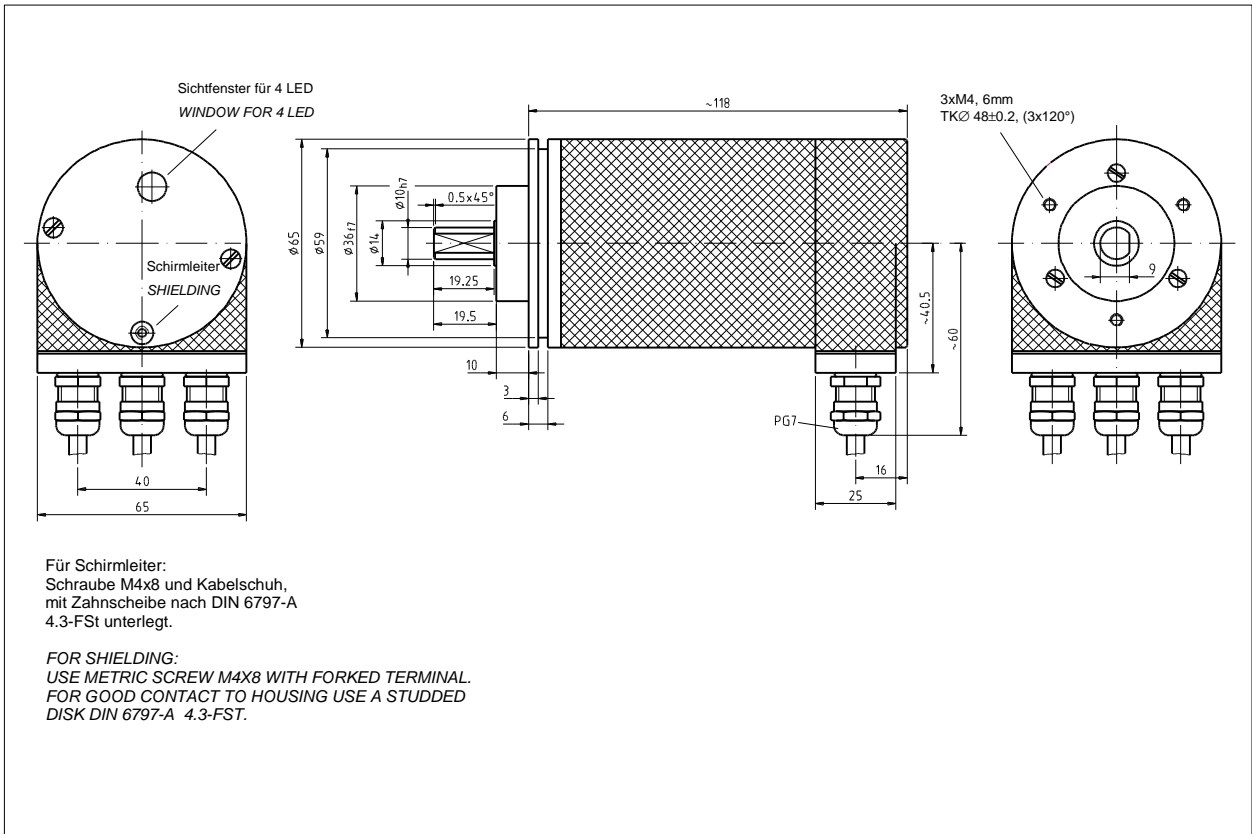
### Environmental Data

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.	

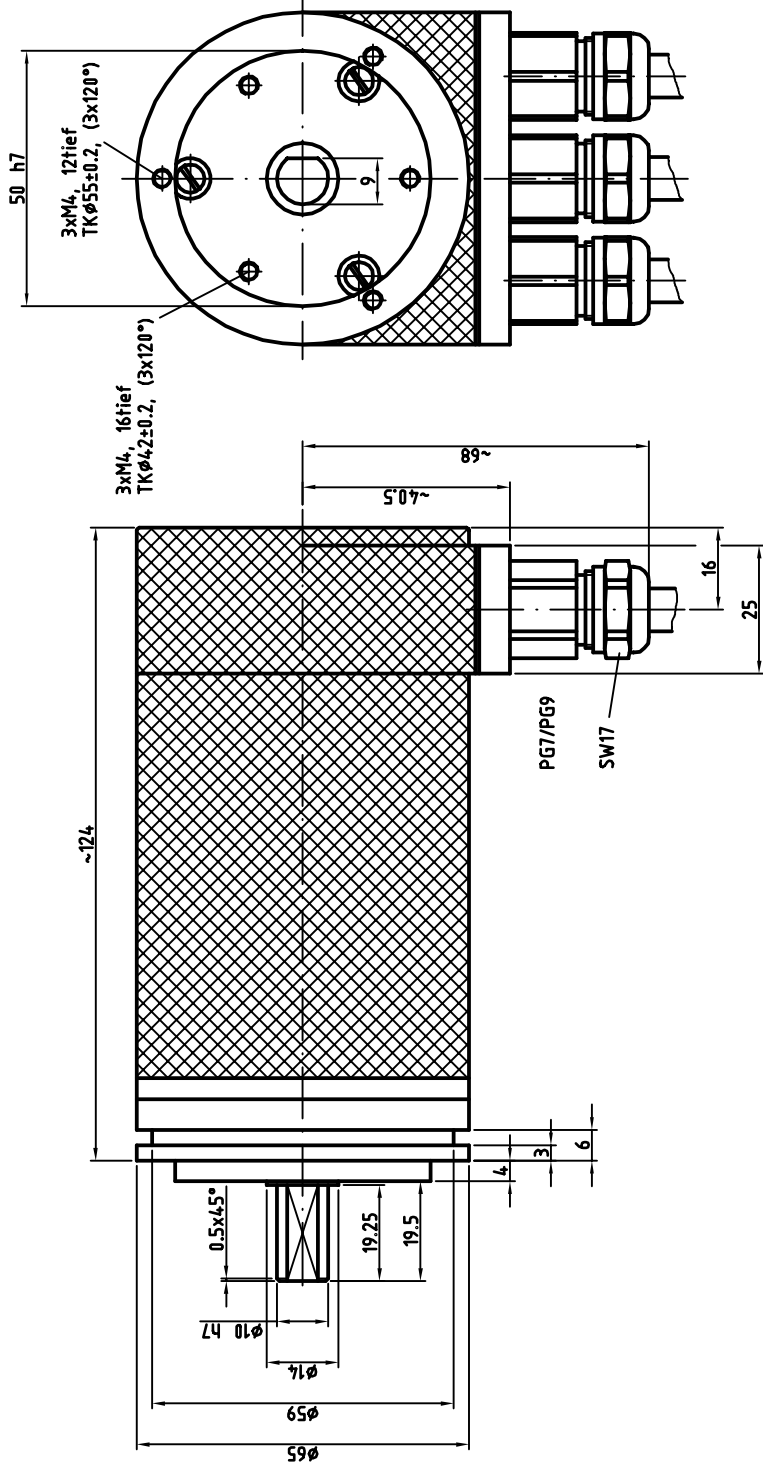
**Mechanical Data**

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 <sup>10</sup> 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 <sup>4</sup> rad/s <sup>2</sup>
Momentum of Inertia.....	2.5 x 10 <sup>-6</sup> kg m <sup>2</sup>
Startup Momentum at 20°C (68°F).....	2 Ncm
Vibration ( 50-2000 Hz Sinusoidal )	
DIN IEC 68-2-6 .....	≤ 100 m/s <sup>2</sup> (10g)
Shock (11ms) DIN IEC 68-2-27 .....	≤ 1000 m/s <sup>2</sup> (100g)
Standard Connector.....	3 X PG 7 radial mount

**Dimensional Drawing** (For the North American stock item version please go to the next page)



(For the North American stock item version please go to the next page)



Für Schirmleiter:  
Schraube M4x8 und Kabelschuh,  
mit Zahnscheibe nach DIN6797-A  
4,3-FSt unterlegt.

**ARTIKEL-BEZ.: CE-65-M**

SCHRITZAHL	8192
UMDREHUNG	4096
SCHNITTSTELLE	INTERBUS-S
AUSGANGSPEGEL	RS422
CODE	BINAER
VERSORGUNGSSPANNUNG	11-27V
SCHUTZART	IP65
GRENZTEMPERATUR	0-60°C
FLANSCHART	ZB50 TK55
WELLE	Ø10 (19.5 lang) Fläche
STECKERART	Schraubklemmen
OPTIONEN	ZUGENTLASTUNG 3xPG9 Verschraub. radial PROGRAMMIERBAR

50h7	0.000
	-0.025
10h7	0.000
	-0.015
Maß	Passung

TR Electronic GmbH Eglisshalde 6 78647 Trossingen Telefon 07425/228-0	Manstab 1:1	DIN A3	Projekt-Nr.:
	Artikel-NR.: 110-01262 Bestell-NR.:		
	Datum	Name	Steckerbelegung: <b>TR-ECE-TI-D-0014</b>
	Erstellt 23.09.96	Habettler	
	Bearb.	Gepr.	
	Norm		EDV-NR.:
1	Stebe ergänz.	04.04.97	Kosl.
	Flanschring		Datum
	Zust./Änderung		Name

**CE-65-M, 50er Zentr.**  
**Ausf.: INTERBUS-S**

Zeichnungs-NR.:		04-418-1506
Blatt		
1		Bl