

approval for production:  
checked: company & sign  
date

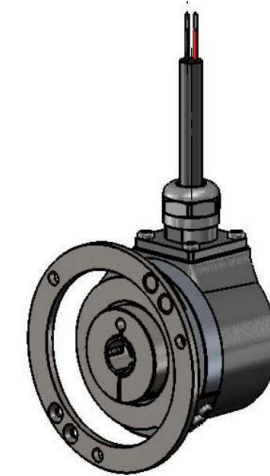
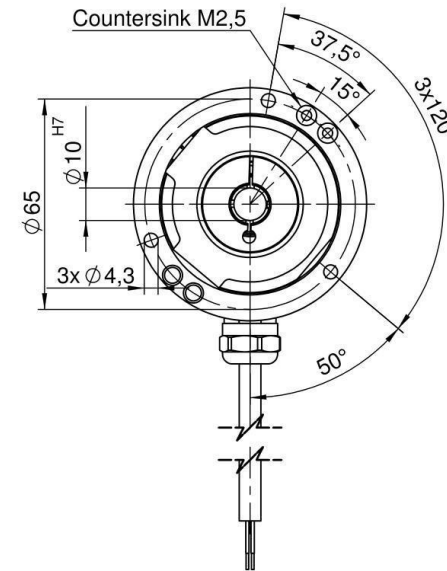
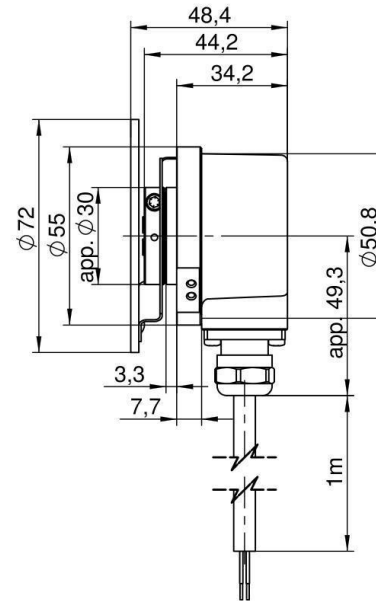
**Mechanical characteristics:**

Speed: ca. 12000 min<sup>-1</sup>  
 Rotor moment of inertia: ca. 6x10<sup>-6</sup> kgm<sup>2</sup>  
 Starting torque: <0,01 Nm  
 Weight: ca. 0,4 kg  
 Protection acc. to EN 60 529: IP 65  
 Operating temperature: -30°C up to +85°C <sup>2)</sup>  
 Shaft: stainless steel  
 Shock resistance acc. to DIN-IEC 68-2-27: 2500 m/s<sup>2</sup>, 6 ms  
 Vibration resistance acc. to DIN-IEC 68-2-6: 100 m/s<sup>2</sup>, 10...2000 Hz  
 1) for continuous operation max. 6000 min<sup>-1</sup>  
 2) non – condensing

**Electrical characteristics:**

Output circuit: RS 422  
 Supply voltage: 5 V  
 Power consumption(no load): typ. 40 mA  
 (with inverted signals): max. 90 mA  
 Permissible load/channel: max. ±20 mA  
 Pulse frequency: max. 300 kHz  
 Signal level high: min. U<sub>B</sub>-2,5 V  
 Signal level low: max. 0,5 V  
 Rise time tr: max. 200ns  
 Fall time tf: max. 200ns  
 Short circuit proof outputs <sup>1)</sup>: yes<sup>2)</sup>  
 Reverse connection protection at U<sub>B</sub>: no  
 Conforms to CE requirements acc. to EN 61000-6-2, EN 61000-6-4 and EN 61000-6-3

1) when supply voltage correctly applied  
 2) Only one channel allowed to be shorted-out:  
 (if U<sub>B</sub>=5V, shorted-circuit to channel, 0V or to +UB is permitted)

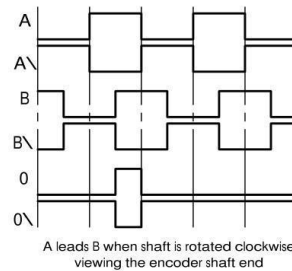



technical subject to modifications

**Terminal assignment:**

Cable	
Colour	Signal
WH	0V
BN	+UB
GY/PK	0V Sens
RD/BU	+UB Sens
GN	A
YE	A\
GY	B
PK	B\
BU	0
RD	0\

**Signals:**



			Unit of measurement		 Fritz Kübler GmbH Zähl- und Sensortechnik 78054 VS-Schwenningen
			millimeter		
			Tolerances unless otherwise specified	DG1544	Customer Type:
				scale	Kübler Type: 8.5020.0341.1024.S093
0	14.9.09	tw	ISO 2768 mH	1:2	Incremental Encoder
Index	Date	Name			drawing ID: A1581
					customer drawing