

approval for production:	date
	checked, company & sign

Mechanical characteristics:

Speed ¹⁾: max. 12 000 1/min.
 Rotor moment of inertia: approx. ca. 6×10^{-6} kgm²
 Starting torque: < 0.01 Nm
 Weight: ca. 0.4 kg
 Protection acc. to EN 60 529: IP 65
 Working temperature ²⁾: -30°C up to +85°C
 Hollow shaft: stainless steel, H7
 Shock resistance acc. to DIN-IEC 68-2-27: 2500m/s², 6ms
 Vibration resistance acc. to DIN-IEC 68-2-6: 100m/s², 10...2000 Hz
 1) for continuous operation max. 6 000 1/min.
 2) With connector:
 cable fixed: - 40° C
 cable moved: - 30° C
 cable moved: - 20° C

Electrical characteristics:

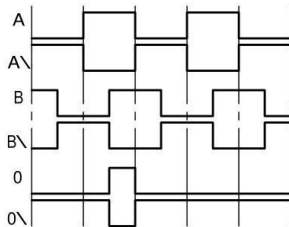
Output circuit: Push Pull
 Supply voltage: 10...30V DC
 Power consumption (no load): typ. 50 mA / max. 100 mA
 Permissible load/channel: max. ± 20 mA
 Pulse frequency: max. 300 kHz
 Signal level high: min. UB - 1 V
 Signal level low: max. 0.5 V
 Rise time tr: max. 1 μ s
 Fall time tf: max. 1 μ s
 Short circuit proof outputs 1): yes
 Reverse connection protection at UB: yes

Conforms to CE requirements acc. to
 DIN-IEC 68-2-27, DIN-IEC 68-2-6, EN 60 529,
 EN 61 000-6-2, EN 61 000-6-3, EN 61 000-6-4
 1) If supply voltage correctly applied

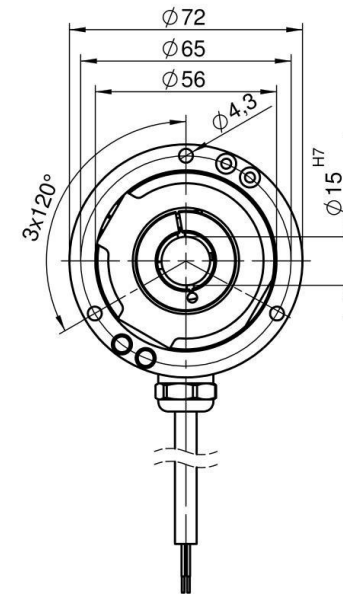
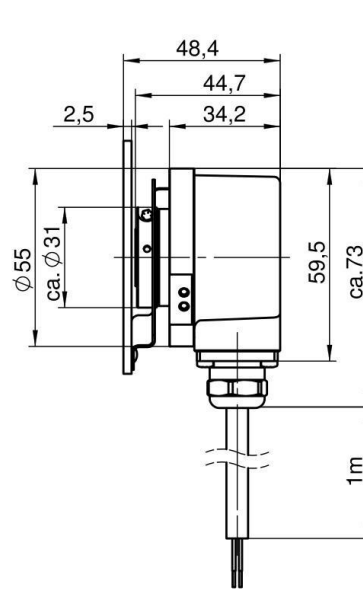
Terminal assignment:

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

Singals:




A leads B when shaft is rotated clockwise viewing the encoder shaft end



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technical subject to modifications

			Unit of measurement		 Fritz Kübler GmbH Zähl- und Sensortechnik 78054 VS-Schwenningen
			millimeter		
			Tolerances unless otherwise specified	scale	Customer Type:
0	17.9.09	da	ISO 2768 mH	1:2	Kübler Type: 8.5020.0851.1024.0018
Index	Date	Name			incremental encoder
					drawing ID: A1583
					customer drawing