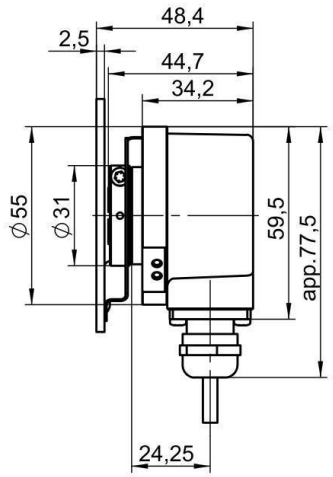
approval for production: | checked: company & sign | date

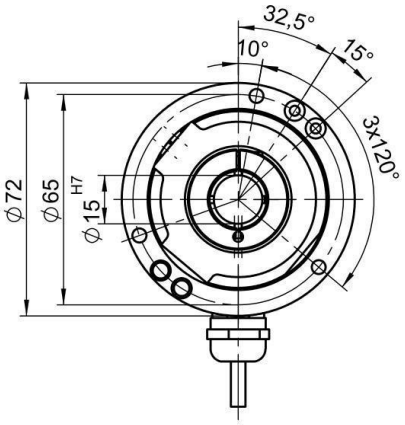
Mechanical characteristics:

Speed [1]:	max. 12 000 1/min.
Rotor moment of inertia:	approx.ca. $6x10^{-6}$ kgm²
Starting torque:	< 0.01 Nm
Weight:	ca. 0.4 kg
Protection acc. to EN 60 529:	IP 65
Working temperature [2]:	- 40° C bis + 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: - 40° C
cable fixed: - 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. ± 30 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 us
Fall time tf:	max. 1 us
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

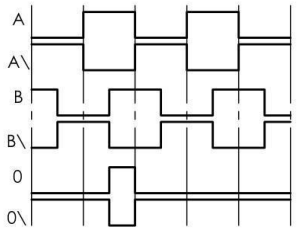
1) If supply voltage correctly applied

- -

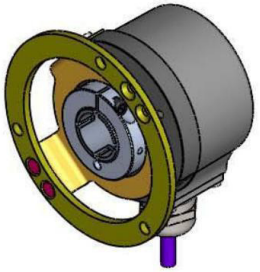
Terminal assignment:

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

Singals:



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



			Unit of measurement			Fritz Kübler GmbH Zähl- und Sensortechnik 78054 VS-Schwenningen
			millimeter			
			Tolerances unless otherwise specified ISO 2768 mH	scale 1:2	Customer Type:	Kübler Type: 8.5020.0851.1024.0018
0	31.3.09	da			encoder incremental	drawing ID. FB1487D
Index	Date	Name				customer drawing