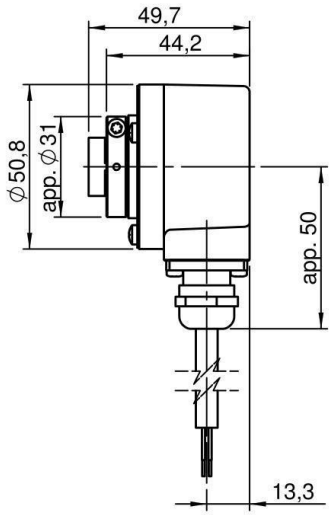
approval for production: | checked: company & sign | date

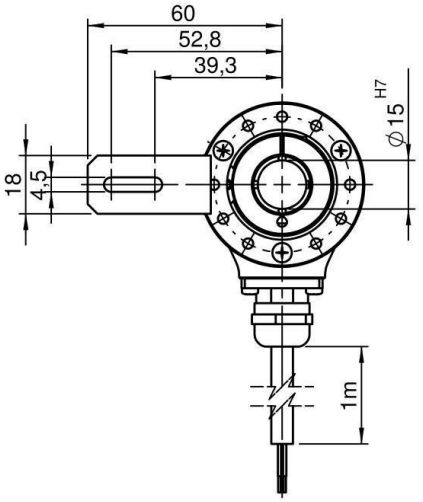
technical subject to modifications

Mechanical characteristics:

Speed [1]:	max. 12000 min^{-1}
Rotor moment of inertia:	app. $6x10^{-6}$ kgm^2
Starting torque:	<0,01 Nm
Weight:	app. 0,4 kg
Protection acc. to EN 60529 with sealing:	IP 65
Working temperature:	-30°C up to +85°C
Hollow Shaft:	stainless steel, H7
Shock resistance acc. to DIN-IEC 68-2-27:	2500 m/s^2, 6 ms
Vibration resistance acc. to DIN-IEC 68-2-6:	100 m/s^2, 10...2000 Hz

1) for continuous operation max. 6000 min^{-1}





Electrical characteristics:

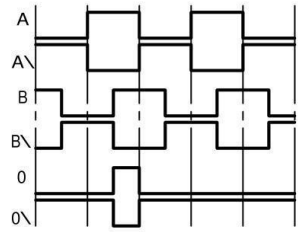
Output circuit:	Push-pull
Supply voltage:	10 …30VDC
Power consumption(no load):	typ. 50 mA
	max. 100 mA
Permissible load/channel:	max. ±20 mA
Pulse frequency:	max. 300 kHz
Signal level high:	min. UB-1,0V
Signal level low.	max. 0,5 V
Rise time tr:	max. 1µs
Fall time tf:	max. 1µs
Short circuit proof outputs [1]:	yes
Reverse connection protection at Ub:	yes
Conforms to CE requirements acc. to EN 61000-6-2 , EN 61000-6-3 and EN 61000-6-4	

1) when 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

			Unit of measurement milimeter			Fritz Kübler GmbH Zähl- und Sensortechnik 78054 VS-Schwenningen
			Tolerances unless otherwise specified ISO 2768 mH		Customer Type:	Kübler Type: 8.5020.0851.1024.0022
0	27.10.08	tw		scale 1:2	incremental encoder	drawing ID. A.1366
Index	Date	Name				customer drawing