**Ruggedized Hollow shaft encoder, Absolute**

- 58mm diameter
- Robust design
- Shock and vibration protected

**Mechanical data**

Operating temperature	-40 °C...+80 °C
Ingress protection class [IEC 60529]	IP67/IP66 (Encoder body/Shaft inlet)
Vibration [IEC 60068-2-64]	≤ 300 m/s ²
Shock [IEC 60068-2-27]	≤ 2000 m/s ²
Shaft load max (axial/radial)	10 / 20 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel
Cover material	Aluminium (Anodized)
Weight	300 g

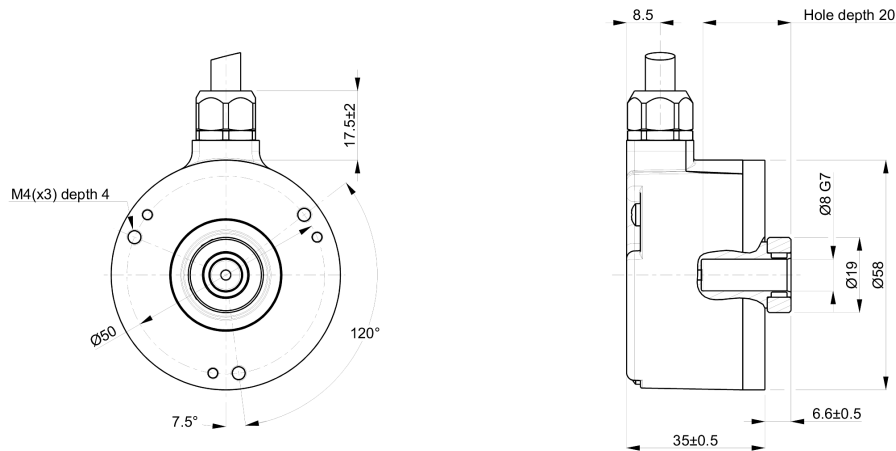
Encoder configuration

Type	RHA
Model	507 Singleturn
Shaft type	Ø8 mm blind hollow shaft
Flange type	56/57-flange
Power supply	5 Vdc
Output interface	SSI Binary
Absolute resolution	13 bit singleturn
Connection type	Cable
Connecting direction	Radial
Cable length	2.00 m

Electrical data

Polarity protected	No
Short circuit protected outputs	Yes
Current consumption (No load)	100 mA (Max. 150 mA)
Cable length max	Frequency dependent
Absolute accuracy	±1 LSB
Frequency range	100 kHz...1 MHz

Dimensions



Supported functions

Code sequence

Pin Configuration

Function	Color
Clock	Yellow
Clock inverted	Green
Data	White
Data inverted	Black
Hold	Brown
Code sequence	Violet
0 Volt	Blue
+E Volt	Red
Chassis	Shield

Order information

Part number	635583-01
-------------	-----------