



- Single turn resolution ≤ 10 bit
- Robust design
- Shock and vibration protected



Technical data

Operating temperature	-40 °C .. +80 °C
Ingress protection class [IEC 60529]	IP67/IP66 (Encoder body/Shaft inlet)
Current consumption	40 mA at 24 Vdc
Vibration [IEC 60068-2-6]	≤ 300 m/s ²
Shock [IEC 60068-2-27]	≤ 2000 m/s ²
Cover material	Aluminium
Weight	300 g
Shaft load (axial/radial)	50 N / 60 N
Shaft material	Stainless steel
Rotational speed max	6000 rpm
Polarity protected	Yes

Encoder configuration

Type	RSA
Model	506 Singleturn
Shaft type	Ø6 mm with partial flat
Flange type	Synchro flange (63-type)
Resolution	360 Excess low
Power supply	9-36 Vdc
Output signal	Parallel Gray
Connection type	M23 connector 12-pin
Connecting direction	Radial

Dimensions**Output signals****Pin configuration**

Function	Pin
Bit 1	1
Bit 2	2
Bit 3	3
Bit 4	4
Bit 5	5
Bit 6	6
Bit 7	7
Bit 8	8
Bit 9	9
0 Volt	10
+E Volt	12
Case	Shield

Ordering information

Part number

750979-01