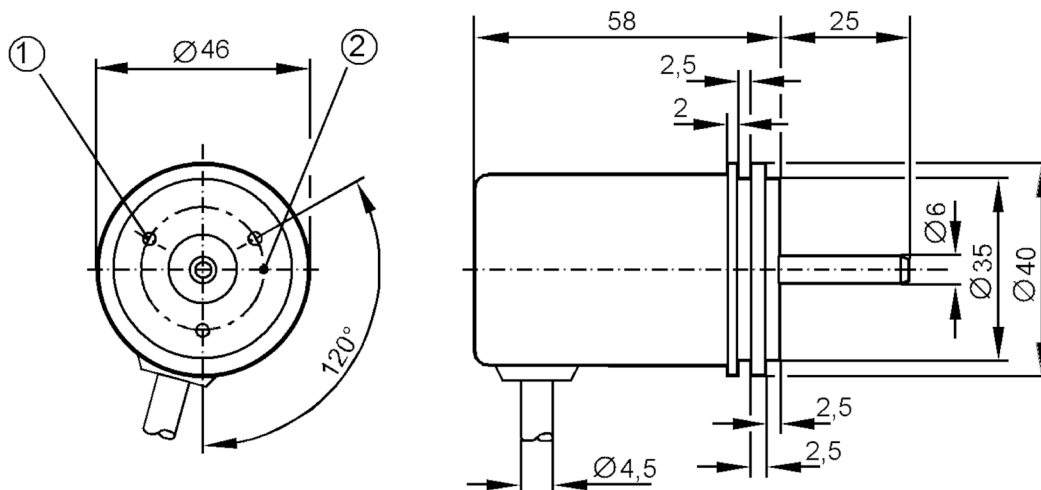


Solid shaft encoder

RS-0500-I24/NB

Article no longer available - archive entry



- 1 reference mark
2 M3 Depth 10 mm



Product characteristics

Resolution	500 resolution
Shaft design	solid shaft
Shaft diameter [mm]	6

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	150

Outputs

Electrical design	HTL
Max. current load per output [mA]	50
Switching frequency [kHz]	50
Type of short-circuit protection	< 60 s
Phase difference A und B [°]	90

Measuring/setting range

Resolution	500 resolution
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Operating conditions

Ambient temperature [°C]	-20...70
Storage temperature [°C]	-30...80
Max. relative air humidity [%]	98
Protection	IP 64

RS5006



Solid shaft encoder

RS-0500-I24/NB

Tests / approvals

Shock resistance	30 g (6 ms)
Vibration resistance	10 g (55...2000 Hz)

Mechanical data

Dimensions [mm]	Ø 40 / L = 83
Material	aluminum
Max. revolution, mechanical [U/min]	10000
Max. starting torque [Nm]	1
Reference temperature torque [°C]	20
Shaft design	solid shaft
Shaft diameter [mm]	6
Shaft material	stainless steel
Max. shaft load axial (at the shaft end) [N]	20
Max. shaft load radial (at the shaft end) [N]	20

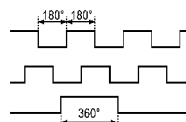
Electrical connection

Cable: 0.4 m; radial

white	A
green	B
yellow	0 index
brown	10...30V (Up)
grey	0V (Un)
screen	housing

Diagrams and graphs

Pulse diagram



Output A

Output B

0 index