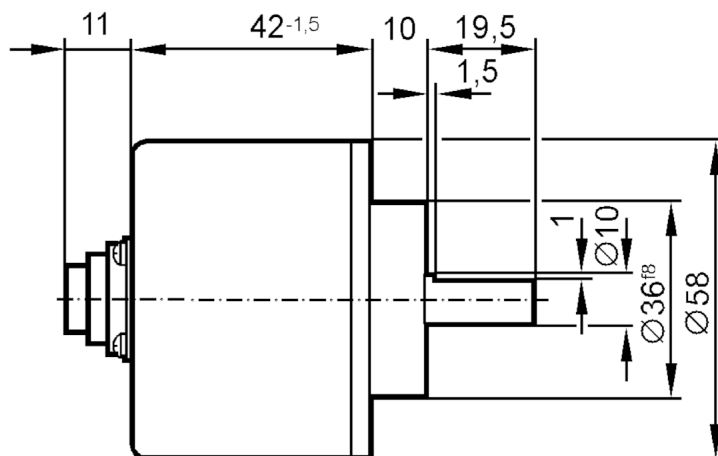
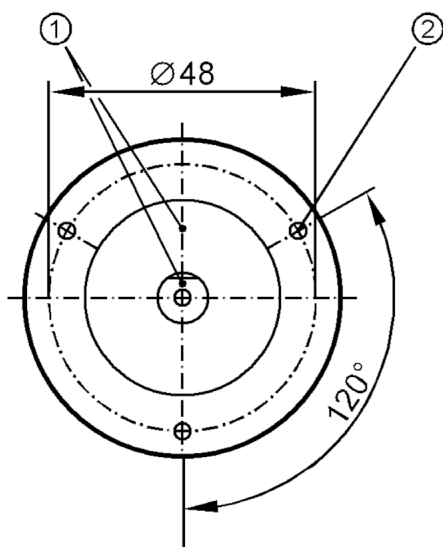


Incremental encoder with solid shaft

RV-0500-I24/S M

Article no longer available - archive entry



- 1 reference mark
2 M3 Depth 5 mm



Product characteristics

Resolution	500 resolution
Shaft design	solid shaft
Shaft diameter [mm]	10

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]	300
Type of short-circuit protection	< 60 s
Phase difference A and B [°]	90

Measuring/setting range

Resolution	500 resolution
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Operating conditions

Ambient temperature [°C]	-30...85
Storage temperature [°C]	-30...100
Max. relative air humidity [%]	98
Protection	IP 64



Incremental encoder with solid shaft

RV-0500-I24/S M

Tests / approvals

Shock resistance	100 g (11 ms)
Vibration resistance	10 g (58...2000 Hz)

Mechanical data

Dimensions [mm]	Ø 58 / L = 82.5
Materials	aluminium
Max. revolution, mechanical [U/min]	12000
Max. starting torque [Nm]	1
Reference temperature torque [°C]	20
Shaft design	solid shaft
Shaft diameter [mm]	10
Shaft material	steel (1.4104)
Max. shaft load axial (at the shaft end) [N]	10
Max. shaft load radial (at the shaft end) [N]	20

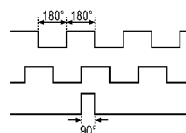
Electrical connection

Connector: 1 x (ifm 1013.1), axial

1	L+
2	A
3	Screen housing
4	B
5	0 index
6	0V

Diagrams and graphs

Pulse diagram



direction of rotation clockwise (looking at the shaft)