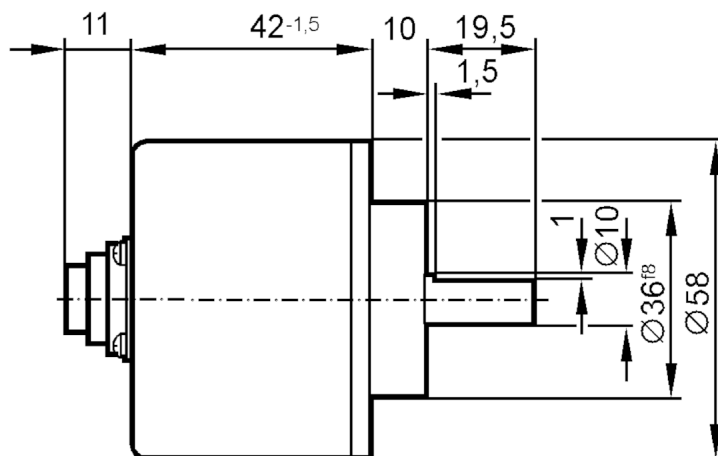
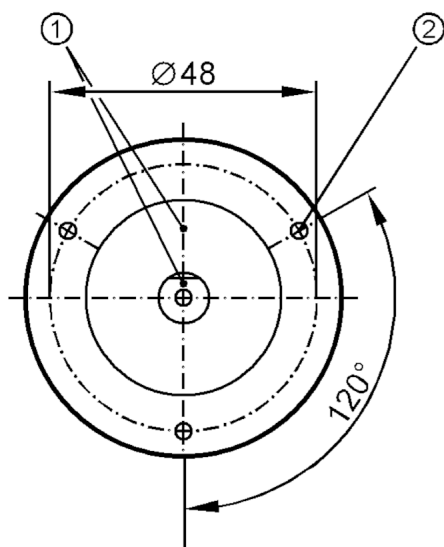


Incremental encoder with solid shaft

RV-1000-I24/S

Article no longer available - archive entry



- 1 reference mark
2 M3 Depth 5 mm



Product characteristics

Resolution	1000 resolution
Shaft design	solid shaft
Shaft diameter [mm]	10

Application

Function principle	incremental
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Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	155

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	1000 resolution
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Operating conditions

Ambient temperature [°C]	-30...70
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Incremental encoder with solid shaft

RV-1000-I24/S

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

Tests / approvals

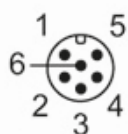
Shock resistance		100 g (11 ms)
Vibration resistance		10 g (58...2000 Hz)

Mechanical data

Weight	[g]	360
Dimensions	[mm]	Ø 58 / L = 82.5
Materials		aluminium
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	1
Reference temperature	[°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

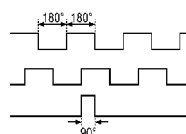
Connector: 1 x M12, axial



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)