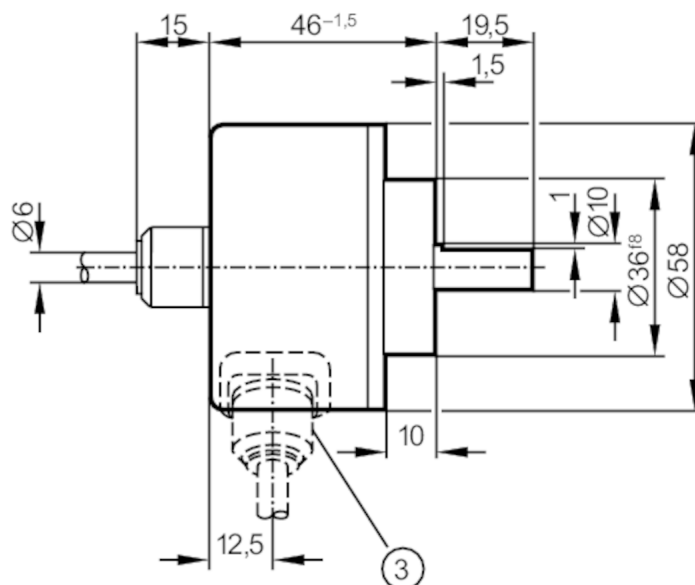
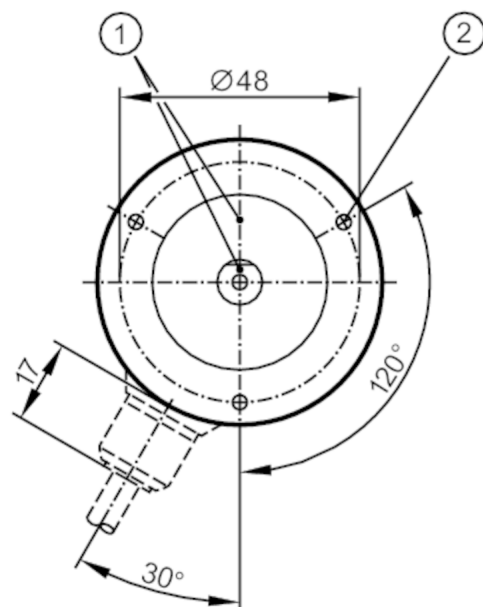


Incremental encoder with solid shaft

RV-3600-I24/R2E

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- 1 reference mark
2 M3 Depth 5 mm



Product characteristics

Resolution	3600 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	3600 resolution
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Operating conditions

Ambient temperature [°C]	-20...85
Storage temperature [°C]	-30...100
Protection	IP 66

Tests / approvals

Shock resistance	100 g (6 ms)
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Incremental encoder with solid shaft

RV-3600-I24/R2E

Vibration resistance	10 g (55...2000 Hz)
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Mechanical data

Dimensions	[mm]	Ø 58 / L = 46
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

Cable: 2 m, PVC; radial

Connector: 1 x (ifm 1001.1)

brown	A
green	A inverted
grey	B
pink	B inverted
red	0 index
black	0 index inverted
brown/green	L+
white/green	0V
lilac	failure inverted
Screen	housing

Diagrams and graphs

Pulse diagram	direction of rotation clockwise (looking at the shaft)
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