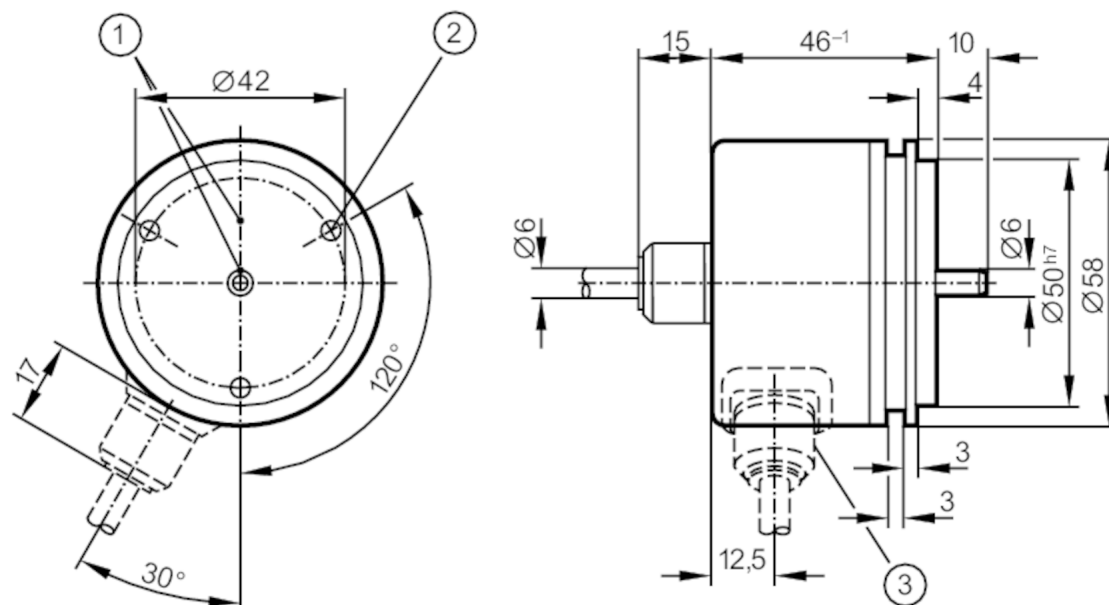


RU-0100-I24/A2

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- CE **UL**[®] US

Resolution	100 resolution
Shaft design	solid shaft
Shaft diameter [mm]	6

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

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

Resolution	100 resolution
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Ambient temperature	[°C]	-30...85
Note on ambient temperature		for firmly laid cable: -30 °C
Storage temperature	[°C]	-30...100
Protection		IP 64



Incremental encoder with solid shaft

RU-0100-I24/A2

Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)
Mechanical data		
Dimensions [mm]		Ø 58 / L = 46
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]		6
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
Fixing flange		synchro-flange
Electrical connection		
Cable: 2 m, PUR; axial		
brown	A	
green	A inverted	
grey	B	
pink	B inverted	
red	0 index	
black	0 index inverted	
blue	L+ sensor	
white	0V sensor	
brown/green	L+ (Up)	
white/green	0V (Un)	
lilac	failure inverted	
screen	housing	
Diagrams and graphs		
Pulse diagram	Output A Output B 0 index	