

RU-0360-I05/L2

Technical drawing of a mechanical part, showing a front view (left) and a side view (right).

Front View (Left):

- Overall diameter: $\varnothing 42$
- Three mounting holes are spaced at 120° .
- A chamfered edge is shown with a 30° angle and a width of 17.
- Callout 1 points to the outer diameter.
- Callout 2 points to the mounting holes.

Side View (Right):

- Overall height: 58
- Internal diameter: $\varnothing 50_{h7}$
- Mounting hole diameter: $\varnothing 6$
- Dimensions: 15, 46, 10, 4, 12.5, 10, 6, 6, 3, 3.
- Callout 3 points to the internal features.

CE

Resolution	360 resolution
Shaft design	solid shaft
Shaft diameter [mm]	6

Operating voltage tolerance	[%]	10
Operating voltage	[V]	5 DC
Current consumption	[mA]	150

Electrical design	TTL
Max. current load per output [mA]	20
Switching frequency [kHz]	300
Phase difference A and B [°]	90

Resolution	360 resolution
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Ambient temperature	[°C]	-20...100
Storage temperature	[°C]	-30...100
Max. relative air humidity	[%]	98
Protection		IP 64



Incremental encoder with solid shaft

RU-0360-I05/L2

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	<p>direction of rotation clockwise (looking at the shaft)</p>
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