

RA6020

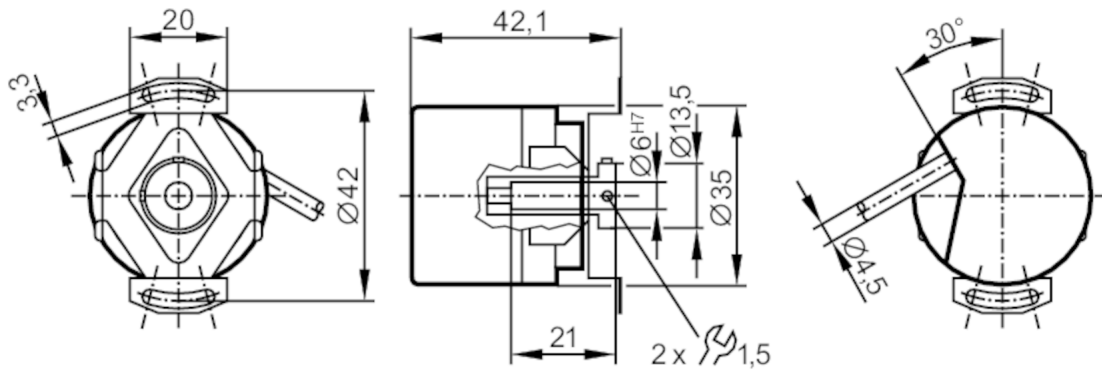
Incremental encoder with hollow shaft

RA-0720-I24/N2



Status Archive

/RA3101 + EVC544



Application

Function principle incremental

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] 160
Type of short-circuit protection < 60 s
Phase difference A und B [°] 90

Measuring/setting range

Resolution 720 resolution

Operating conditions

Ambient temperature [°C] -30...70
Max. relative air humidity [%] 75; (briefly: 95 %)
Protection IP 64

Tests / approvals

Shock resistance 100 g (6 ms)
Vibration resistance 10 g (55...2000 Hz)
MTTF [years] 114

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Mechanical data		
Weight	[g]	299.6
Dimensions	[mm]	Ø 35 / L = 42.1
Materials		aluminium
Max. revolution, mechanical	[U/min]	10000
Max. starting torque	[Nm]	2.5
Reference temperature torque	[°C]	20
Shaft design		hollow shaft open to one side
Shaft diameter	[mm]	6
Shaft fit		H7
Shaft material		steel (1.4104)
Installation depth of shaft	[mm]	6...21
Max. axial shaft misalignment	[mm]	0,5

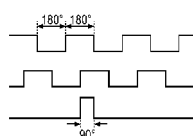
Remarks	
Notes	discontinued article

Electrical connection

Cable: 2 m, PUR; radial, can also be used axially

brown	L+
grey	L-
white	A
green	B
yellow	0 index
screen	housing

Diagrams and graphs

Pulse diagram	 Output A Output B 0 index
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