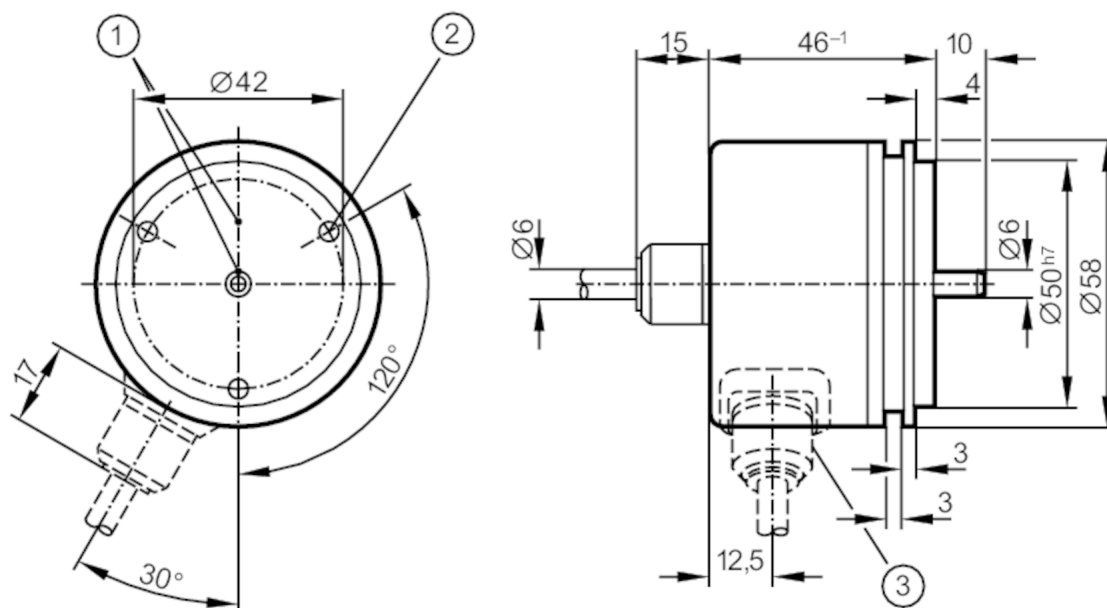


RU-1024-I05/L3E

/RUP500



- | | |
|---|----------------|
| 1 | reference mark |
| 2 | M4 Depth 5 mm |



Function principle	incremental
--------------------	-------------

Electrical data

Operating voltage tolerance	[%]	10
-----------------------------	-----	----

Operating voltage	[V]	5 DC
-------------------	-----	------

Outputs

Electrical design	TTL
-------------------	-----

Max. current load per output [mA]	20
-----------------------------------	----

Phase difference A und B	[°]	90
--------------------------	-----	----

Resolution	1024 resolution
------------	-----------------

Operating conditions

Ambient temperature	[°C]	-30...100
---------------------	------	-----------

Max. relative air humidity	[%]	98
----------------------------	-----	----



Incremental encoder with solid shaft

RU-1024-I05/L3E

Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)
MTTF	[years]	190
Mechanical data		
Weight	[g]	582
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
Remarks		
Notes		discontinued article
Electrical connection		
Cable: 3 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	

RU1137

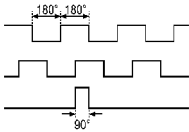


Incremental encoder with solid shaft

RU-1024-I05/L3E

Diagrams and graphs

Pulse diagram



Output A
Output B
0 index

Status Archive

/RUP500