

RU1184

Incremental encoder with solid shaft

RU-2500-I05/S2E



Status Archive



- 1 reference mark
- 2 M4 Depth 5 mm



Application

Function principle incremental

Electrical data

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

Outputs

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

Measuring/setting range

Resolution 2500 resolution

Operating conditions

Ambient temperature [°C]	-30...100
Note on ambient temperature	for firmly laid cable: -30 °C
Storage temperature [°C]	-30...100
Protection	IP 66

Tests / approvals

Shock resistance	100 g (6 ms)
Vibration resistance	10 g (55...2000 Hz)



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Mechanical data		
Weight	[g]	551
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; radial
Connector: 1 x (ifm 1000.2)

Diagrams and graphs	
Pulse diagram	Output A Output B 0 index

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