



# RM8003



## Absolute multivalue encoder with hollow shaft

RMS4096-S24/L2U

Tests / approvals		
Shock resistance		< 300 g (6 ms)
Vibration resistance		30 g (10...1000 Hz)
MTTF	[years]	350

Mechanical data		
Weight	[g]	336.5
Housing		tubular
Dimensions	[mm]	Ø 36.5 / L = 67
Material		flange: aluminum; housing: steel powder-coated
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	0.03
Reference temperature torque	[°C]	25
Shaft design		hollow shaft open to one side
Shaft diameter	[mm]	12
Shaft material		steel
Max. shaft load axial (at the shaft end)	[N]	40
Max. shaft load radial (at the shaft end)	[N]	110
Fixing flange		Ø 36.5 mm

Remarks	
Remarks	Wires/pins not connected (n.c.) must not be used.
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PUR; Maximum cable length: 100 m; axial	
white	sensor 0 V
brown	sensor Ub
green	clock
yellow	clock (inv.)
grey	data
pink	data (inv.)
blue	reset to zero
red	reversal of direction of rotation
screen	housing

Diagrams and graphs	
Pulse diagram	<p>1 clock 2 data</p>