

RM3004

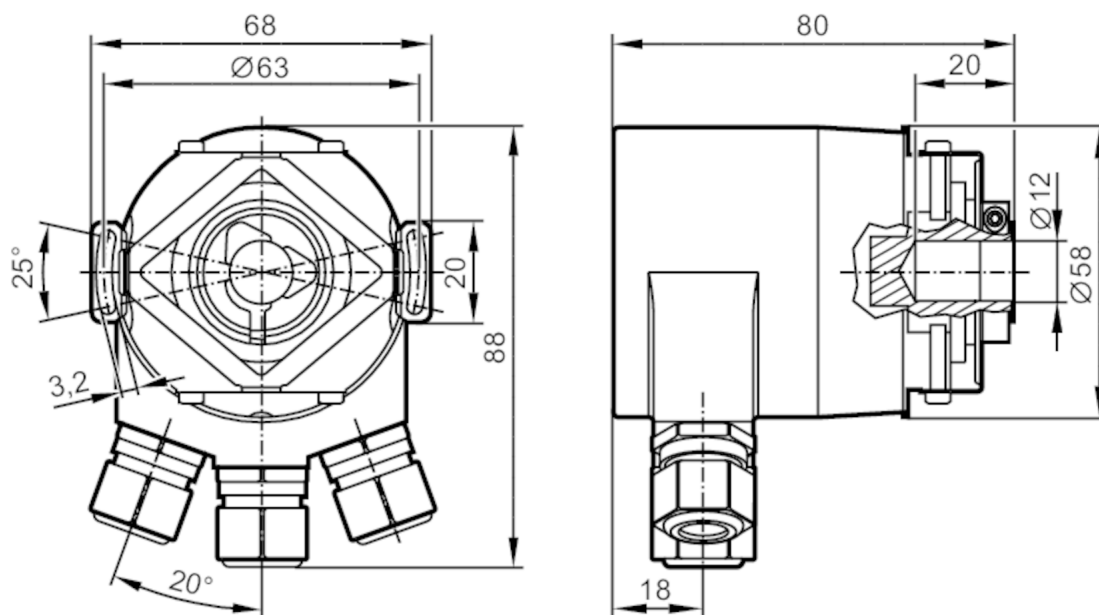


Multiturn hollow shaft encoder

RM-8192-E24/ U

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/RM3008



Application

Function principle	absolute
Revolution type	multiturn

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 150
Max. revolution electrical [U/min]	6000

Outputs

Code	Dual code
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Measuring/setting range

Resolution	8192 steps; 4096 revolutions; 25 bit
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Software / programming

Parameter setting options	counting direction of the code values; Resolution; zero point; limit switches HI and LO; motion indicator; separation multiturn/singleturn
Diagnostic functions	alarms; warnings; status; serial number of the encoder
Addressing	address selector switch; 0...126

Interfaces

Communication interface	PROFIBUS DP
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PROFIBUS DP

Transmission standard	DPV0 Class 2 / DPV2 Class 4 (EN50170)
Transmission rate	...12 Mbit/s

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Operating conditions		
Ambient temperature	[°C]	-40...70
Protection		IP 64; (on the housing: IP 67; on the shaft: IP 64)
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)
MTTF	[years]	46
Mechanical data		
Weight	[g]	574.2
Materials		aluminium
Max. starting torque	[Nm]	1
Reference temperature torque	[°C]	20
Shaft design		hollow shaft open to one side
Shaft diameter	[mm]	12
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
Max. axial shaft misalignment	[mm]	1
Fixing flange		Stator coupling
Remarks		
Notes		discontinued article
Electrical connection		
terminal strip in the terminal chamber: ; Maximum cable length: 100 m; 400 m (1.5 Mb/s)		

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