

RMK0025-C24/E



ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — EN-US — RM7012-00 — 13.11.2013 — 



Absolute multiturn encoder with solid shaft

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Interfaces		
Communication interface	CAN	
CAN		
Protocol	CANopen	
Factory settings	Baud rate: 125 kBit/s	
	node ID: 32	
Version	DSP - 406 V3.1; DS 301 V4.02; DS 306 V2.0	
Operating conditions		
Ambient temperature	[°C]	-40...85
Max. relative air humidity	[%]	98
Protection	IP 65; (on the housing: IP 65; on the shaft: IP 64)	
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (10...1000 Hz)
MTTF	[years]	13
Mechanical data		
Weight	[g]	592.5
Dimensions	[mm]	Ø 58 / L = 110
Material	aluminum	
Max. revolution, mechanical	[U/min]	6000
Shaft design	solid shaft	
Shaft diameter	[mm]	10
Shaft material	steel (1.4104)	
Max. shaft load axial (at the shaft end)	[N]	40
Max. shaft load radial (at the shaft end)	[N]	110
Fixing flange	Clamping flange	
Displays / operating elements		
Display	Preoperational Mode	LED, green flashing
	Operational Mode	LED, green
	Error message	LED, red flashing
Electrical connection		
Terminal strip in the terminal chamber:		