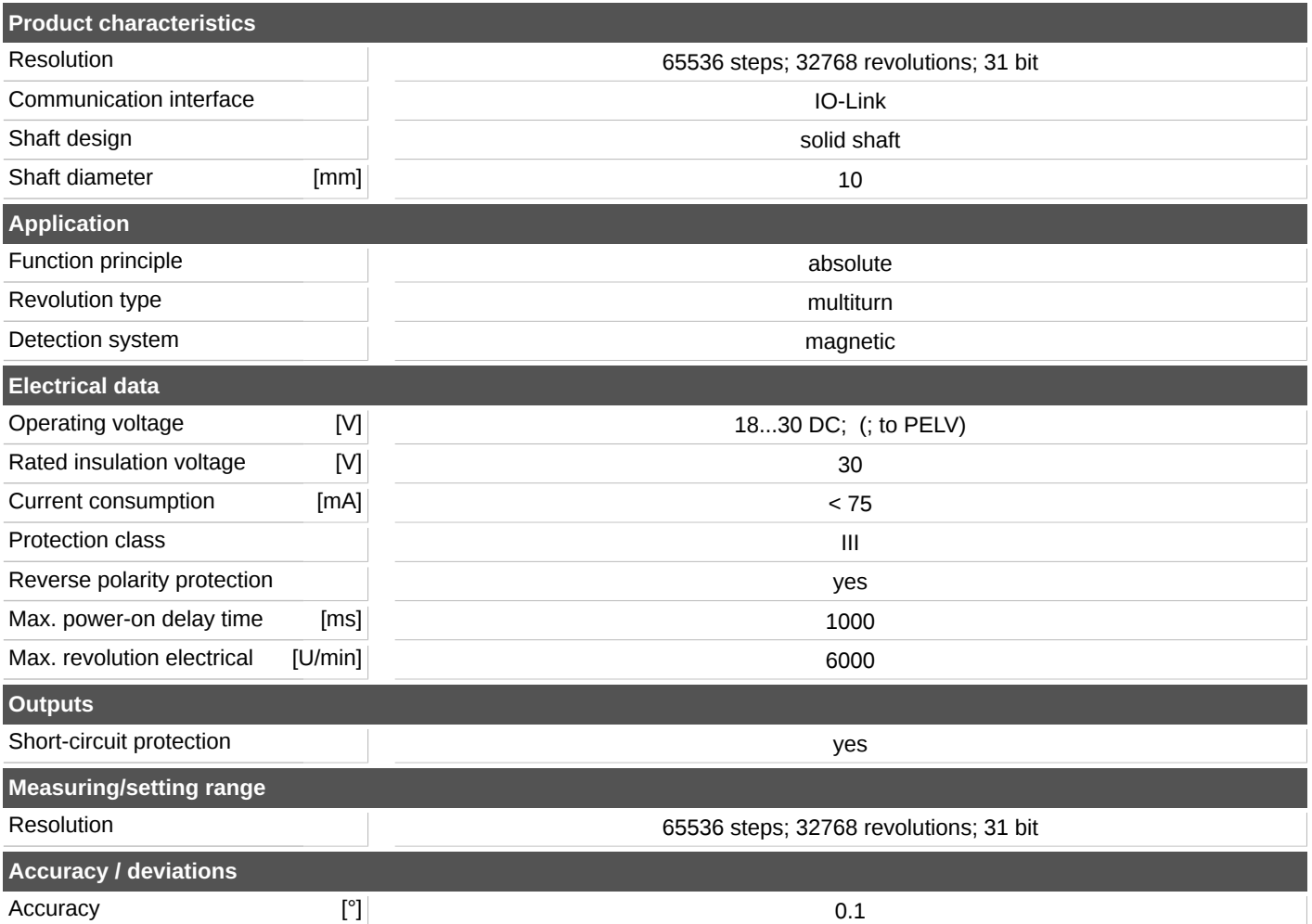


RMB10FRU51213bIOLHD





Absolute multiturn encoder with solid shaft

RMB10FRU51213bIOLHD

Software / programming		
Parameter setting options	preset; Zero point; Direction of rotation; rotational speed	
Interfaces		
Communication interface	IO-Link	
Transmission type	COM3 (230,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9 CDV	
Profiles	Common - I&D	Identification and Diagnosis
	Function	Multiple switching signal
	Function	Measurement data, high resolution
SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	2.3	
IO-Link process data (cyclical)	Function	bit length
	process value	96
	device status	4
	binary switching information	5
IO-Link functions (acyclical)	application specific tag; operating hours counter; internal temperature; switching cycles counter	
Supported DeviceIDs	Type of operation	DeviceID
	default	1064
Note	For further information please see the IODD PDF file at "Downloads"	
Operating conditions		
Ambient temperature [°C]	-40...85	
Storage temperature [°C]	-40...85	
Max. relative air humidity [%]	98; (Condensation not permissible)	
Protection	IP 68; IP 69K	
Tests / approvals		
EMC	DIN EN 61000-4-2 ESD	4 kV CD
	DIN EN 61000-4-3 HF radiated	10 V/m
	DIN EN 61000-4-4 Burst	2 kV
	DIN EN 61000-4-6 HF conducted	10 V
Vibration resistance	DIN EN 60068-2-6	30 g / 10...1000 Hz half-sine
Shock resistance	DIN EN 60068-2-27	200 g / 11 ms
Continuous shock resistance	DIN EN 60068-2-29	30 g / 6 ms half-sine
Mechanical data		
Weight [g]	279.8	
Housing	tubular	
Dimensions [mm]	Ø 36.8 / L = 76	
Material	flange: aluminum; housing: steel scratch-resistant cathodic dip coating	
Max. starting torque [Nm]	0.05	
Reference temperature torque [°C]	20	
Shaft design	solid shaft	
Shaft diameter [mm]	10	
Shaft material	stainless steel (1.4112 / 440B)	

RMB320



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Max. shaft load axial (at the shaft end)	[N]	180
Max. shaft load radial (at the shaft end)	[N]	180
Fixing flange		servo flange

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12, axial; coding: A; LED



1	UB
2	SSC1.2 / IN
3	GND
4	IO-Link
5	n. c.