



Absolute multiturn encoder with solid shaft

MULTITURN ENCODER STANDARD LINE

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 65; (on the housing: IP 67; on the shaft: IP 64)	

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	10 g / 10...1000 Hz half-sine
Shock resistance	DIN EN 60068-2-27	100 g 6 ms
Continuous shock resistance	DIN EN 60068-2-29	10 g / 16 ms half-sine
Vibration resistance	30 g (10...1000 Hz)	
MTTF [years]	283	
UL approval	voltage supply	Class 2

Mechanical data		
Weight [g]	227.2	
Housing	tubular	
Dimensions [mm]	Ø 36.5 / L = 65	
Material	flange: aluminum; housing: stainless steel (1.4521 / 444)	
Max. starting torque [Nm]	0.01	
Reference temperature torque [°C]	20	
Shaft design	solid shaft	
Shaft diameter [mm]	6	
Shaft material	stainless steel	
Max. shaft load axial (at the shaft end) [N]	40	
Max. shaft load radial (at the shaft end) [N]	110	

RMB300



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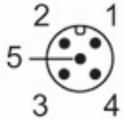
Fixing flange | servo flange; Ø 36 mm

Remarks

Pack quantity | 1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Moulded body: stainless steel (1.4401 / 316)



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