RN1202

Absolute singleturn encoder with solid shaft

RN-8192-E05/R5B

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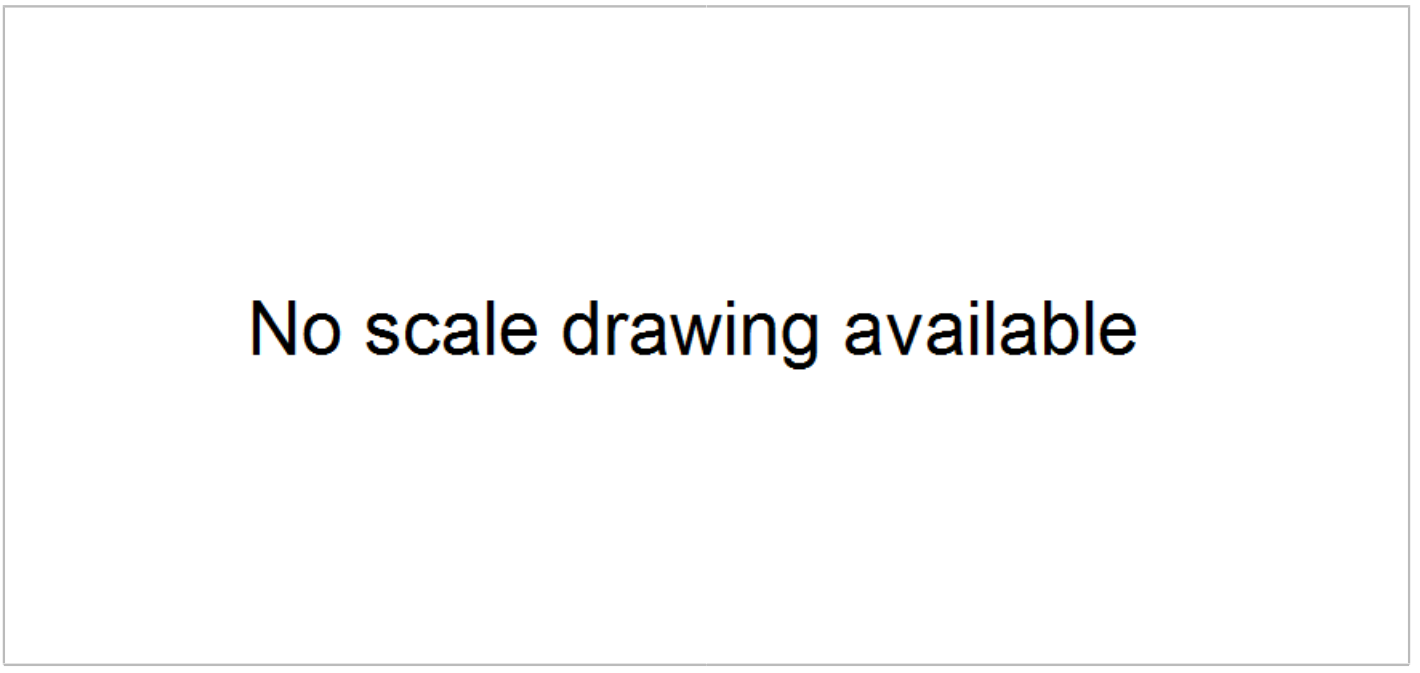

Product characteristics		
Resolution		8192 steps; 13 bit
Communication interface		fieldbus via gateway
Shaft design		solid shaft
Shaft diameter	[mm]	10
Electrical data		
Operating voltage tolerance	[%]	10
Operating voltage	[V]	5 DC; (from the gateway)
Current consumption	[mA]	< 150
Max. revolution electrical	[U/min]	6000
Outputs		
Code		Dual code
Code signal		data input; TTL-compatible signals; clock and clock (inv.) from drivers to RS 485; data output; synchronous serial; TTL-compatible signals, data, and data (inv.); incremental signals; 2 sinusoidal incremental signals (A and B) ; phase shifted by 90°; 1 Vss 512 signal periods per revolution
Measuring/setting range		
Resolution		8192 steps; 13 bit
Interfaces		
Communication interface		fieldbus via gateway
Operating conditions		
Ambient temperature	[°C]	-20...100
Storage temperature	[°C]	-30...100
Protection		IP 64

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Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)

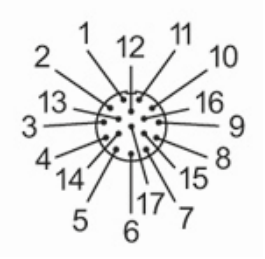
Mechanical data		
Materials		aluminium
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	1
Reference temperature torque	[°C]	20
Shaft design		solid shaft
Shaft diameter	[mm]	10
Shaft material		steel (1.4104)
Max. shaft load axial (at the shaft end)	[N]	10
Max. shaft load radial (at the shaft end)	[N]	20

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 5 m, PUR

Connector: 1 x M23; Maximum cable length: 150 m



1	+5V sensor
2	n.c.
3	n.c.
4	0V sensor
5	n.c.
6	n.c.
7	+5V Up
8	clock
9	clock inverted
10	0V Un
11	screen
12	B (+)
13	B (-)
14	data
15	A (+)
16	A (-)
17	data inverted