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No scale drawing available



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
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Interfaces

Communication interface	fieldbus via gateway
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Operating conditions

Ambient temperature [°C]	-20...100
Storage temperature [°C]	-30...100
Protection	IP 64



Absolute singleturn encoder with solid shaft

RN-8192-E05/R1B

Tests / approvals

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

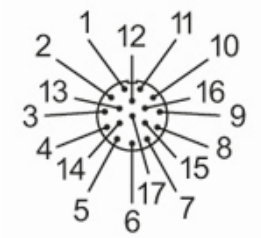
Mechanical data

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

Electrical connection

Cable: 1 m, PUR; Maximum cable length: 150 m; radial

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