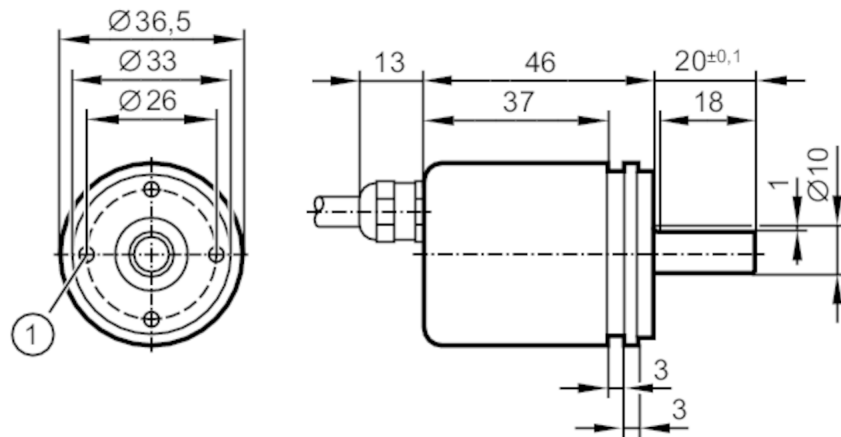




Absolute multiturn encoder with solid shaft

RMS4096-S24/L21



M3 Depth 6 mm



Product characteristics

Resolution	4096 resolution; 8192 revolutions; 25 bit
Communication interface	SSI data interface
Shaft design	solid shaft
Shaft diameter [mm]	10

Application

Function principle	absolute
Revolution type	multiturn

Electrical data

Operating voltage [V]	4.5...30 DC
Current consumption [mA]	< 30

Inputs

Inputs	reversal of direction of rotation; reset to zero
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Outputs

Code	Gray code; (increasing code values when turned clockwise (seen on the shaft))
Code signal	Clock input; TTL-compatible signals; clock and clock (inv.) from drivers to RS 422; data output; synchronous serial; TTL-compatible signals, data, and data (inv.)

Measuring/setting range

Resolution	4096 resolution; 8192 revolutions; 25 bit
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Interfaces

Communication interface	SSI data interface
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Operating conditions

Ambient temperature [°C]	-40...85
Max. relative air humidity [%]	98
Protection	IP 65

Tests / approvals

Shock resistance	< 300 g (6 ms)
Vibration resistance	30 g (10...1000 Hz)
MTTF [years]	350

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Pulse diagram

1 clock

2 data