RV6010

Incremental encoder with solid shaft

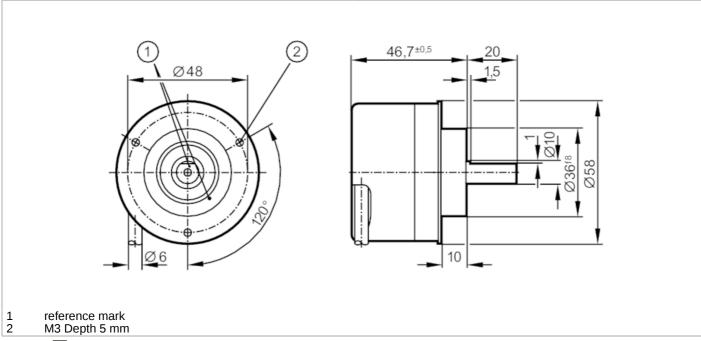




Article no longer available - archive entry

Alternative articles: RV3500

When selecting an alternative article and accessories please note that technical data may differ!





| Product characteristics | | |
|----------------------------------|-------|-------------------------------|
| Resolution | | 250 resolution |
| Shaft design | | solid shaft |
| Shaft diameter | [mm] | 10 |
| Application | | |
| Function principle | | incremental |
| Electrical data | | |
| Operating voltage | [V] | 1030 DC |
| Current consumption | [mA] | < 150 |
| Outputs | | |
| Electrical design | | HTL |
| Max. current load per output | [mA] | 50 |
| Switching frequency | [kHz] | 300 |
| Type of short-circuit protection | | < 60 s |
| Phase difference A and B | [°] | 90 |
| Measuring/setting range | | |
| Resolution | | 250 resolution |
| Operating conditions | | |
| Ambient temperature | [°C] | -40100 |
| Note on ambient temperature | | for firmly laid cable: -40 °C |

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Incremental encoder with solid shaft





RV-0250-I24/L2

| Max. relative air humidity | [%] | 98 |
|--|-------------|---|
| Protection | | IP 64; (on the housing: IP 67; on the shaft: IP 64) |
| Tests / approvals | | |
| Shock resistance | | 200 g |
| Vibration resistance | | 30 g |
| Mechanical data | | |
| Weight | [g] | 471 |
| Dimensions | [mm] | Ø 58 / L = 46.7 |
| 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 |
| shall thu) | | |
| Electrical connection | | |
| Electrical connection | able lengtl | h: 300 m; radial, can also be used axially |
| Electrical connection | able lengtl | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum control of the con | | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum control brown A green A inverted grey B | | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum cabrown A green A inverted grey B pink B inverted | | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum control brown A green A inverted grey B | | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum cabrown A green A inverted grey B pink B inverted red 0 index black 0 index inveloue L+ sensor | verted | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum cabrown A green A inverted grey B pink B inverted red 0 index black 0 index invelopment blue L+ sensor white OV sensor | verted | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum cabrown A green A inverted grey B pink B inverted red 0 index black 0 index inveloped black 0 the control of | verted | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum cabrown green A inverted grey B pink B inverted red 0 index black 0 index inveloped blue L+ sensor white 0V sensor brown/green L+ (Up) white/green 0V (Un) | verted | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum cabrown A green A inverted grey B pink B inverted red 0 index black 0 index inveloped black 0 the control of | verted | h: 300 m; radial, can also be used axially |
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| Electrical connection Cable: 2 m, PUR; Maximum cabrown green A inverted grey B pink B inverted red 0 index black 0 index involved black 0 index involved blue L+ sensor white 0V sensor brown/green L+ (Up) white/green OV (Un) lilac failure involved screen housing | verted | h: 300 m; radial, can also be used axially |
| Electrical connection Cable: 2 m, PUR; Maximum cabrown A green A inverted grey B pink B inverted red 0 index black 0 index inveloped black 0 v sensor white 0V sensor brown/green L+ (Up) white/green 0V (Un) lilac failure invessoreen housing | verted | h: 300 m; radial, can also be used axially |