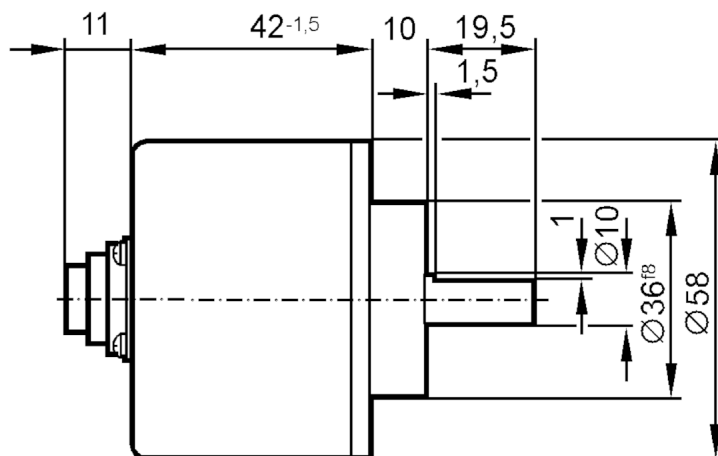
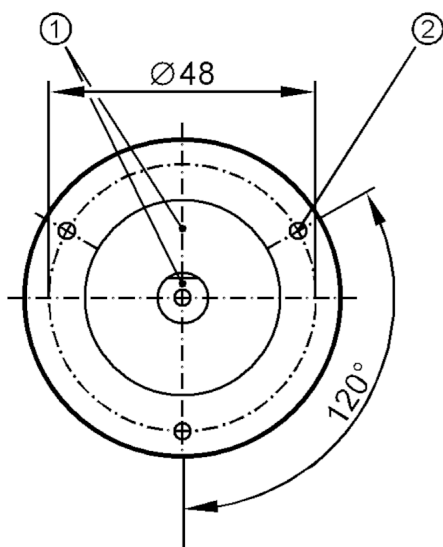




## Incremental encoder with solid shaft

RV-0100-I24/S

Article no longer available - archive entry



- 1 reference mark  
2 M3 Depth 5 mm



## Product characteristics

|                     |                |
|---------------------|----------------|
| Resolution          | 100 resolution |
| Shaft design        | solid shaft    |
| Shaft diameter [mm] | 10             |

## Electrical data

|                          |            |
|--------------------------|------------|
| Operating voltage [V]    | 10...30 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 und B [°]      | 90     |

## Measuring/setting range

|            |                |
|------------|----------------|
| Resolution | 100 resolution |
|------------|----------------|

## Operating conditions

|                                |           |
|--------------------------------|-----------|
| Ambient temperature [°C]       | -20...70  |
| Storage temperature [°C]       | -30...100 |
| Max. relative air humidity [%] | 98        |
| Protection                     | IP 64     |

# RV6092



## Incremental encoder with solid shaft

RV-0100-I24/S

### Tests / approvals

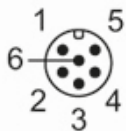
|                      |                     |
|----------------------|---------------------|
| Shock resistance     | 100 g (11 ms)       |
| Vibration resistance | 10 g (58...2000 Hz) |

### Mechanical data

|                                               |                |
|-----------------------------------------------|----------------|
| Weight [g]                                    | 44             |
| Material                                      | aluminum       |
| 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

Connector: 1 x M12, axial



|   |                |
|---|----------------|
| 1 | L+             |
| 2 | A              |
| 3 | screen housing |
| 4 | B              |
| 5 | 0 index        |
| 6 | 0V             |

### Diagrams and graphs

Pulse diagram

Direction of rotation clockwise (looking at the shaft)