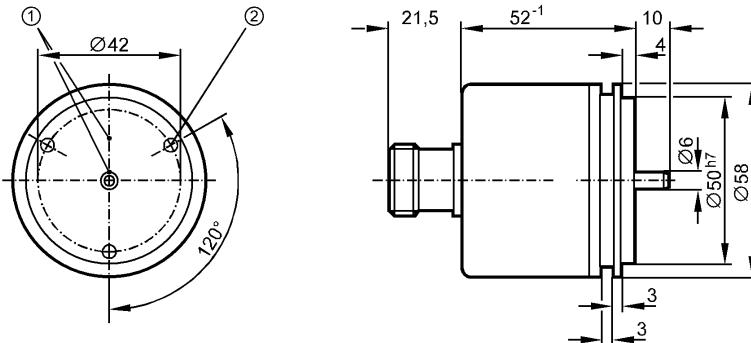


RU6055

RU-0360-124/J

no longer available - archive entry**Article discontinued as of 31.March 2016**

1: reference mark

2: M4 5 mm deep

**Product characteristics**

Solid shaft encoder

HTL-output 50 mA, short-circuit protected, < 1 min

flange plug

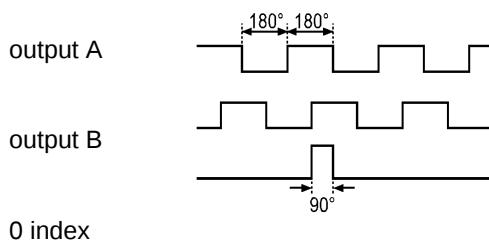
Synchro-flange

Resolution 360

Electrical data

| | | |
|--------------------------|-------|------------|
| Operating voltage | [V] | 10...30 DC |
| Current consumption | [mA] | 150 |
| Phase difference A und B | [°] | 90 |
| Switching frequency | [kHz] | 300 |

Pulse diagram

**Outputs**

Output function HTL-output 50 mA, short-circuit protected, < 1 min

Measuring / setting range

Encoders

Resolution 360

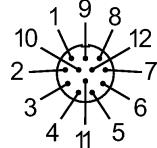
Mechanical data

| | |
|--|---------------------|
| Max. permissible rpm / mech. [1/min] | 12000 |
| Starting torque [Ncm] | < 1 (20 °C) |
| Max. shaft load (at the shaft end) [N] | axial 10; radial 20 |
| Shaft, material [mm] | Ø 6, steel (1.4104) |
| Vibration resistance | 15 g (55...2000 Hz) |

RU6055

RU-0360-124/J

| | | |
|------------------------------|----------|------------------------------------|
| Shock resistance | | 100 g (6 ms) |
| Housing materials | | aluminum |
| Weight | [kg] | 0.42 |
| Environment | | |
| Max. relative air humidity | [%] | max. 98 |
| Ambient temperature | [°C] | -30...85 |
| Storage temperature | [°C] | -30...100 |
| Protection | | IP 64 |
| Tests / approvals | | |
| MTTF | [Years] | 190 |
| Electrical connection | | |
| Connection | | M23 flange plug; axial; ifm 1001.4 |
| Wiring | | |
| 1: | B (inv.) | 7: error |
| 2: | L+ | (inv.) |
| | (sensor) | 8: B |
| 3: | 0 index | 9: n.c. |
| 4: | 0 index | 10: 0V (Un) |
| | (inv.) | 11: 0V |
| 5: | A | (sensor) |
| 6: | A (inv.) | 12: L+ |
| screen: housing | | |
| Remarks | | |
| Pack quantity | [piece] | 1 |



ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — RU6055 — 01.09.2010

no longer available - archive entry**Article discontinued as of 31.March 2016**