

Ruggedized Shaft encoder, Absolute

- 58mm diameter
- Single turn resolution 13 bit
- Multi turn resolution 12 bit
- Robust design
- Shock and vibration protected

**Technical data**

| | |
|--------------------------------------|--|
| Operating temperature | -40 °C .. +70 °C |
| Ingress protection class [IEC 60529] | IP67/IP66 (Encoder body/Shaft inlet) |
| Current consumption | 60 mA at 24 Vdc (Max. 90 mA at 24 Vdc) |
| Vibration [IEC 60068-2-6] | ≤ 300 m/s ² |
| Shock [IEC 60068-2-27] | ≤ 1000 m/s ² |
| Cover material | Aluminium (Passivated and coated) |
| Weight | 300 g |
| Shaft load (axial/radial) | 50 N / 60 N |
| Shaft material | Stainless steel |
| Rotational speed max | 12000 rpm |
| Polarity protected | Yes |

Encoder configuration

| | |
|----------------------|--|
| Type | RSA |
| Model | 608 Multiturn |
| Shaft type | Ø6 mm round |
| Flange type | Synchro flange (63-type) |
| Resolution | 25 bit absolute + Incremental 512 ppr 1Vpp |
| Power supply | 9-36 Vdc |
| Output signal | SSI Programmable |
| Connection type | Cable |
| Connecting direction | Radial |
| Cable length | 5.00 m |

Dimensions

Drawing available upon request to Leine & Linde.

Output signals

Pin configuration

| Function | Color |
|------------|--------------|
| RS-232 TXD | Blue/Red |
| Direction | Yellow |
| STATUS | Green |
| RS-232 RXD | Grey/Pink |
| PRESET 1 | Black |
| PRESET 2 | Violet |
| +E Volt | Red |
| Clock | White |
| Clock\ | Brown |
| 0 Volt | Blue |
| B | White/Green |
| B\ | White/Yellow |
| Data | Grey |
| A | Brown/Green |
| A\ | Brown/Yellow |
| Data\ | Pink |

Ordering information

Part number

805165-01