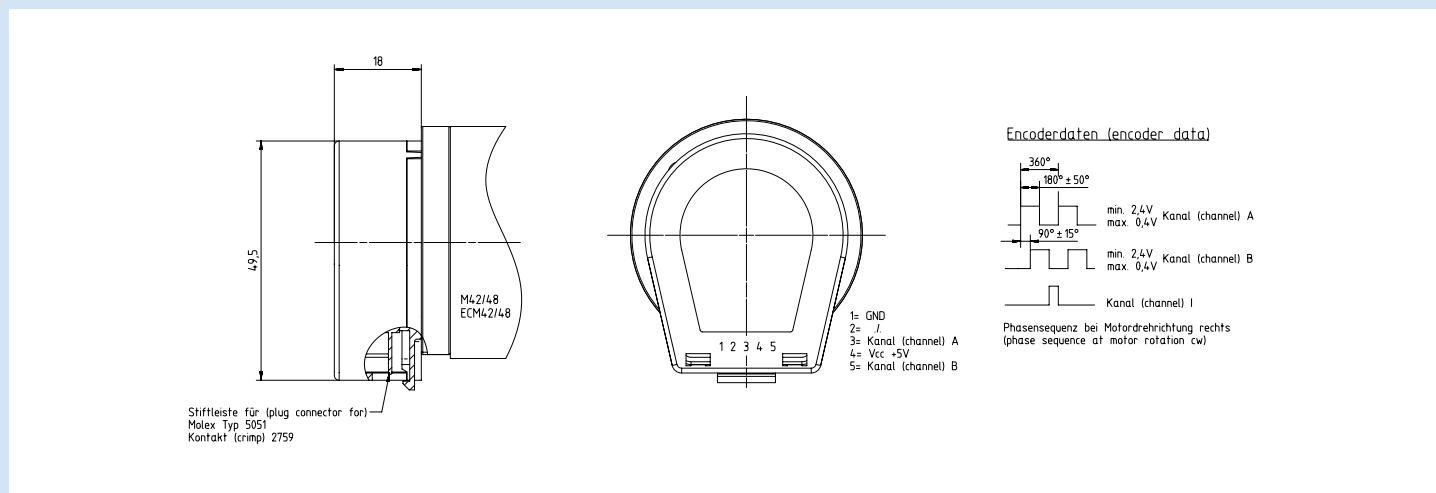


# Optical Encoder IGO x/3 for series M42/M48/ECM42/ECM48

- Non-contact and non-wearing optical incremental encoder
- The encoder supplies two 90° phase-shifted, TTL-compatible square-wave signals
- Mating connector e.g. Molex connector 5-pole Type 5051M with socket Type 2759
- Second shaft end required on motor
- Reference pulse, TTL compatible



## Technical data

|                           |      |                            |
|---------------------------|------|----------------------------|
| Impulses per revolution   | [x]  | 100, 500 (more on request) |
| Channels                  |      | 3                          |
| Supply voltage            | [V]  | 5 +/-10%                   |
| Current consumption       | [mA] | 57 typ. (85 max.)          |
| Output-voltage High-Level | [V]  | min. 2.4 (IoH max. -200µA) |
| Output-voltage Low-Level  | [V]  | max. 0.4 (IoL = 3.86 mA)   |
| Rise-Time                 | [ns] | 180*                       |
| Fall-Time                 | [ns] | 49*                        |
| Temperature range         | [°C] | -40 - 100                  |

\* CL = 25pF, RL = 2.7kOhm Pull-up

## Application on request

ID: 11062579

Stand: 22. Oktober 2024 – changes reserved