

## EN58 – Incremental encoders Ø 58 mm



- Incremental rotary encoder based on optical principle.
- Small overall dimensions for installation on small machine-tools.
- Wide range of pulses/rev. up to 64000 ppr.
- Bidirectional signals with zero references.
- Output by connector or cable, radial or axial position.
- Ring for high protection.
- Housing and body made of aluminium.
- High rotational precision.
- Excellent signal stability.
- Protected against inversion of power supply polarity and short circuit on output ports.
- Wide range of features.
- Custom-built features on request.

The manufacturing quality of optical discs guarantees the high precision of encoders.

### EN58 SC

#### Semi-hollow shaft

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	36 mm
Fixing	no. 3 screws M4 at 120°
Shaft Ø mm	6 - 8 - 9.52 - 10 - 12 - 14 - 15 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit



### EN500

#### Centering Ø 50 mm

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	50 mm
Fixing	no. 3 screws M4 at 120°
Shaft Ø mm	6x10 - 8x20 - 9.52x20 - 10x20 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit



### EN590

#### Flange Ø 90 mm

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	80 mm
Fixing	no. 3 screws M5 at 120°
Shaft Ø mm	8x20 - 9.52x20 - 10x20 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit



**EN600**

Centering Ø 31.75 mm

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	31.75 mm
Fixing	no. 4 holes Ø 5.5 mm
Shaft Ø mm	6x10 - 8x20 - 9.52x20 - 10x20 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit

**EN531**

Centering Ø 31.75 mm

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	31.75 mm
Fixing	no. 3 screws M5 at 120°
Shaft Ø mm	6x10 - 8x20 - 9.52x20 - 10x20 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit

**EN536**

Centering Ø 36 mm

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	36 mm
Fixing	no. 3 screws M3 at 120°
Shaft Ø mm	6x10 - 8x20 - 9.52x20 - 10x20 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit

**EN5036**

Centering Ø 50 mm

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	50 mm
Fixing	no. 3 screws M5 at 120°
Shaft Ø mm	6x10 - 8x20 - 9.52x20 - 10x20 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit

**EN650**

Centering Ø 50 mm

Available pulses	5 ÷ 64000 ppr
Max. rotating speed	moment. 12000 rpm permanent 8000 rpm
Centering Ø	50 mm
Fixing	no. 4 holes Ø 5.5 mm
Shaft Ø mm	6x10 - 8x20 - 9.52x20 - 10x20 others on request
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL / OPEN COLLECTOR
Max. frequency	300 kHz
Electrical protections	inversion of polarity and short circuit

