

EN38 – Incremental encoders Ø 38 mm

- High-precision, small-sized incremental rotary encoders based on optical principle.
- Output by sealed cable in radial or axial position.
- High degree of robustness. Flange, body and housing made of aluminium.
- Excellent rotational precision and signal stability.
- Protected against inversion of power-supply polarity and short circuit on output ports.

EN38 ON Standard fixing

Available pulses	5 ÷ 3600 ppr
Max. rotating speed	moment. 8000 rpm permanent 6000 rpm
Centering Ø	33 mm
Fixing	no. 4 screws M3 at 90°
Shaft Ø mm	6 - 8
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL
Max. frequency	120 kHz
Electrical protections	inversion of polarity and short circuit



EN38 MN Double fixing system

Available pulses	5 ÷ 3600 ppr
Max. rotating speed	moment. 8000 rpm permanent 6000 rpm
Centering Ø	20 mm
Fixing	no. 3 screws M3 at 120° no. 4 screws M3 at 90°
Shaft Ø mm	6 - 8
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL
Max. frequency	120 kHz
Electrical protections	inversion of polarity and short circuit



EN38 FN Fixing by threaded nut

Available pulses	5 ÷ 3600 ppr
Max. rotating speed	moment. 8000 rpm permanent 6000 rpm
Fixing	by threaded nut M18x1
Shaft Ø mm	6 - 8
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL
Max. frequency	120 kHz
Electrical protections	inversion of polarity and short circuit



EN38 BB With square flange

Available pulses	5 ÷ 3600 ppr
Max. rotating speed	moment. 8000 rpm permanent 6000 rpm
Centering Ø	20 mm
Fixing	no. 4 holes Ø 3.2 mm
Shaft Ø mm	6 - 8
Power supply	5 V ± 5% or 5 ÷ 28 V ± 5%
Protection class	IP 65 or IP 67 (optional)
Output	LINE DRIVER / PUSH-PULL
Max. frequency	120 kHz
Electrical protections	inversion of polarity and short circuit

