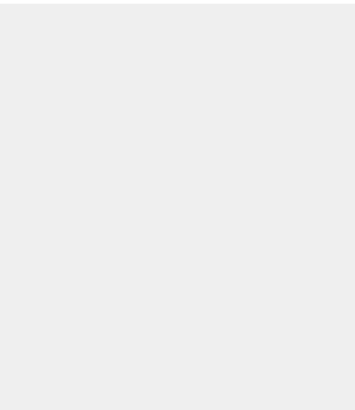




ERN 430

- Rotary encoders with mounted universal stator coupling
- Blind hollow shaft or hollow through shaft

Specifications: ERN 430

Size	58 mm
Bearing	With integral bearing
Measuring Methods	incremental
Electrical connection	Flange socket
Version	M23 radial 
Mounting	Universal stator coupling
Incremental signals	HTL
Line counts	250 
Cutoff frequency (-3dB) Scanning frequency Edge separation a	- max. 300 kHz = 0.39 µs
System accuracy	1/20 of grating period
Power supply	10 to 30 V
Max. current consumption (w/o load)	150 mA
Max. cable length	100 m
Shaft	Blind hollow shaft
Shaft diameter	12 mm
Mech. permissible speed n	= 6000 min ⁻¹
Starting torque at 20 °C	= 0.01 Nm
Moment of inertia of rotor	4.3 x 10 ⁻⁶ kgm ²
Permissible axial motion of measured shaft	± 1 mm
Vibration (55 to 2000 Hz)	= 150 m/s ² (EN 60 068-2-6)
Shock (6 ms)	= 1000 m/s ² (DIN IEC86-2-27) 2 ms: = 2000 m/s ² (EN 60 068-2-27)
Max. operating temperature	100 °C
Min. operating temperature	-40 °C
Protection (IEC 60 529)	Shaft entry: IP 64 Housing: IP 67
Weight (approx.)	0.3 kg