


	Incremental RON 785
Incremental signals	 1 V _{PP}
Line count	18 000
Reference mark*	RON 785: One RON 785 C: Distance-coded
Cutoff frequency -3 dB	≥ 180 kHz
Recommended meas. step for position capture	0.0001°
System accuracy	± 2"
Power supply without load	5 V ± 10% max. 150 mA
Electrical connection*	Cable 1 m, with or without M23 coupling
Max. cable length ¹⁾	150 m
Shaft	Hollow through shaft D= 50 mm
Mech. permissible speed	≤ 1000 rpm
Starting torque	≤ 0.5 Nm at 20 °C
Moment of inertia of rotor	1.05 · 10 ⁻³ kgm ²
Natural frequency	≥ 1000 Hz
Permissible axial motion of measured shaft	± 0.1 mm
Vibration 55 to 2000 Hz Shock 6 ms	≤ 100 m/s ² (IEC 60068-2-6) ≤ 1000 m/s ² (IEC 60068-2-27)
Operating temperature	0 to 50 °C
Protection IEC 60529	IP 64
Weight	Approx. 2.5 kg

* Please indicate when ordering

¹⁾ With HEIDENHAIN cable