


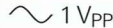


	Incremental				
	RON 225	RON 275	RON 275	RON 285	RON 287
Incremental signals	 x 2	 x 5	 x 10	 1 V _{PP}	
Line count Integrated interpolation* Output signals/rev.	9000 2-fold 18000	18000 5-fold 90000	18000 10-fold 180000	18000	
Reference mark*	One			RON 2xx: One RON 2xxC: Distance-coded	
Cutoff frequency -3 dB Output frequency Edge separation a	- ≤ 1 MHz ≥ 0.125 μs	- ≤ 250 kHz ≥ 0.96 μs	- ≤ 1 MHz ≥ 0.22 μs	≥ 180 kHz -	
Elec. permissible speed	-	≤ 166 rpm	≤ 333 rpm	-	
Recommended meas. step for position capture	0.005°	0.001°	0.0005°	0.0001°	
System accuracy	± 5"				± 2.5"
Power supply without load	5 V ±10% max. 150 mA				
Electrical connection*	Cable 1 m, with or without M23 coupling				
Max. cable length ¹⁾	50 m			150 m	
Shaft	Hollow through shaft D= 20 mm				
Mech. permissible speed	≤ 3000 rpm				
Starting torque	≤ 0.08 Nm at 20 °C				
Moment of inertia of rotor	73 · 10 ⁻⁶ kgm ²				
Natural frequency	≥ 1200 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	Moving cable: -10 to 70 °C Stationary cable: -20 to 70 °C				0 to 50 °C
Protection IEC 60529	IP 64				
Weight	Approx. 0.8 kg				

* Please indicate when ordering

¹⁾ With HEIDENHAIN cable