

# HIDA 28

# PRECISION ROTARY ENCODER



The precision rotary encoder **HIDA28** is used to establish an informational link between the key components of machines, industrial robots, comparators and DCC, NC or Digital Readout units. It gives information about the value and direction of the motion components. The encoder is used in automatic control, on-line gauging, in process monitoring systems, etc.

## ■ Mechanical Data

•Line number on disc (z)	60 100 200 250 360 500 1000 1024 1500 2000 2500	•Protection (IEC 529)	
•Number of output pulses per revolution Square-wave version:	Z x k, where k=1,2,3,4,5,8,10 6000 rpm	- for axial outlet of cable	IP54
•Maximum shaft speed		- for axial outlet of cable through gland and for radial outlet of cable	IP67
•Maximum shaft load:		•Maximum weight without cable	0.045 kg
- axial	5 N	•Operating temperature	-10...+70 °C
- radial (at shaft end)	10 N	•Storage temperature	-30...+80 °C
•Accuracy (T <sub>i</sub> -period of lines on disc)	±0.1T <sub>i</sub> arc. sec	•Maximum humidity (without condensation of moisture)	98 %
•Starting torque at 20°C	≤ 0.1 Ncm	•Permissible vibration (55 to 2000 Hz)	≤ 100 m/s <sup>2</sup>
•Moment of inertia of rotor	< 2 gcm <sup>2</sup>	•Permissible shock (11 ms)	≤ 300 m/s <sup>2</sup>



