

RI-12HA1S1-2K360-H1181

Incremental Hollow Shaft Rotary Encoder

Industrial Line

Technical data

Type	RI-12HA1S1-2K360-H1181
ID	1545840
General data	
Max. rotational speed	6000 rpm
Output type	Incremental
Resolution, incremental	360 ppr
Electrical data	
Operating voltage U_B	5...30 VDC
No-load current	≤ 100 mA
Output current	≤ 20 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	no
Pulse frequency max.	300 kHz
Signal level high	min. $U_B - 2$ V
Signal level low	max. 0.5 V
Output function	8-wire, Push-Pull 7272, with inverted signals
Mechanical data	
Environmental conditions	
Ambient temperature	-40...+85 °C
Protection class shaft	IP67

Features

- Protection class IP67 on housing and shaft side
- -40...+85 °C
- Max. 6000 rpm (continuous operation 3000 rpm)
- 5...30 VDC
- Male connector, M12 x 1, 8-pole
- Push-pull, with inverted signals
- Pulse frequency max. 300 kHz
- 360 pulses per revolution

