

Honeywell Sensing and Control

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600EN-128-C24 Encoders

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Actual product appearance may vary.

600 Series optical, 128 pulse per revolution, 2-square wave

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Product Specifications

Encoder Type	Optical
Pulse Per Revolution	128 pulses/revolution
Dome Switch	No
Output	2-square wave, Channel A leads Channel B by 90 ° electrically in counterclockwise direction
Electrical Travel	Continuous
Source Voltage Range	4.75 Vdc min., 5.0 Vdc nom., 5.25 V max.
Supply Current	30 mA
Output Voltage	2.4 Vdc min. (out high); 0.4 Vdc max. (out low)
Pull-up Resistor	10 kOhms
Operating Speed	300 RPM max.
Operating Torque	0,011 N m [1.5 oz in] max.
Terminal	PC terminals Type C-24 (vertical mount)
Terminal Strength	0,9 kg [2.0 lb]
Housing Type	Molded thermoplastic
Mechanical Travel	Continuous
Rotational Life	10 million shaft rotations
Shaft Axial Force	6,8 kg [15 lb] push/pull
Shaft End Play	0,127 mm [0.005 in] max.
Shaft Radial Play	0,254 mm [0.01 in] at 25,4 mm [1 in]
Shaft Material	Stainless steel
Shaft Diameter	6,35 mm [0.25 in]
Shaft Length	19,05 mm [0.75 in]
Bushing Material	Nichel plated brass
Bushing Diameter	9,53 mm [0.375 in] x 32 NEF-2A
Bushing Length	9,53 mm [0.375 in]
Operating Temperature	-40 °C to 65 °C [-40 °F to 149 °F]
Storage Temperature	-55 °C to 110 °C [-67 °F to 230 °F]
Humidity	85% RH at 40 °C [104 °F] 240 hr

Shock	100 G at 6 per MIL-STD-202; Method 213, Condition C
Vibration	10 Hz to 2000 Hz, 15 G; MIL-STD-202, Method 204, Condition C
Series Name	600
Availability	Global
UNSPSC Code	30211929
UNSPSC Commodity	30211929 Encoders

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