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- ▣ [Medical](#)
- ▣ [Test & Measurement](#)

- ▣ [Speed, Position & Current](#)
- ▣ [Thermal](#)
- ▣ [Pressure, Force & Flow](#)
- ▣ [Relays](#)
- ▣ [Switches & Equipment Health](#)
- ▣ [Potentiometers & Resistors](#)
- ▣ [Safety Products](#)
- ▣ [Vehicle Controls & Monitoring](#)
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## Encoders Comparison Table

Representative photograph(s), actual product appearance may vary.

<p><b>Features</b></p>	 <p>600EN-128-B66</p>	 <p>600EN-128-C24</p>	 <p>600EN-128-CBL</p>	 <p>600EN-128-CN1</p>
<p><b>Terminals</b></p>	<p>PC terminals Type B-66 (Horizontal mount)</p>	<p>PC terminals Type C-24 (Vertical mount)</p>	<p>190,5 mm [7.5 in] long cable/lead</p>	<p>190,5 mm [7.5 in] long cable/connector</p>
<p><b>Encoder Type</b></p>	<p>Optical</p>			
<p><b>Pulse Per Rev</b></p>	<p>128 pulses/rev</p>			
<p><b>Dome Switch</b></p>	<p>No</p>			
<p><b>Output</b></p>	<p>2-square wave, Channel A leads Channel B by 90 ° electrically in counterclockwise direction</p>			
<p><b>Electrical Travel</b></p>	<p>Continuous</p>			
<p><b>Source Voltage Range</b></p>	<p>4.75 Vdc min., 5.0 Vdc nom., 5.25 V max.</p>			
<p><b>Supply Current</b></p>	<p>30 mA</p>			
<p><b>Voltage Out High</b></p>	<p>2.4 Vdc min.</p>			
<p><b>Voltage Out Low</b></p>	<p>0.4 Vdc max.</p>			
<p><b>Pull-up Resistor</b></p>	<p>10 kOhms</p>			
<p><b>Operating Speed</b></p>	<p>300 RPM max.</p>			
<p><b>Operating Torque</b></p>	<p>0,011 Nm [1.5 oz in] max.</p>			
<p><b>Terminals Strength</b></p>	<p>0,9 kg [2.0 lbs]</p>			
<p><b>Housing</b></p>	<p>Molded thermoplastic</p>			
<p><b>Mechanical Travel</b></p>	<p>Continuous</p>			
<p><b>Rotational Life</b></p>	<p>10 million shaft rotations</p>			
<p><b>Shaft Axial Force</b></p>	<p>6,8 kg [15 lbs] push/pull</p>			

<b>Shaft End Play</b>	0,127 mm [0.005 in] max.
<b>Shaft Radial Play</b>	0,254 mm [0.01 in] at 25,4 mm [1 in]
<b>Shaft Material</b>	Stainless Steel
<b>Shaft Diameter</b>	6,35 mm [0.25 in]
<b>Shaft length</b>	19,05 mm [0.75 in]
<b>Bushing Material</b>	Nichel plated brass
<b>Bushing Diameter</b>	9,53 mm [0.375 in] x 32 NEF-2A
<b>Bushing length</b>	9,53 mm [0.375 in]
<b>Operating Temperature</b>	-40 °C to 65 °C [-40 °F to 149 °F]
<b>Storage Temperature</b>	-55 °C to 110 °C [-67 °F to 230 °F]
<b>Humidity</b>	85% RH at 40 °C [104 °F] 240 Hr
<b>Shock</b>	100 G at 6 per MIL-STD-202; Method 213, Condition C
<b>Vibration</b>	10 Hz to 2000 Hz, 15 G; MIL-STD-202, Method 204, Condition C
<b>Series Name</b>	600 Series
<b>Availability</b>	Global
<b>UNSPSC Code</b>	30211929
<b>UNSPSC Commodity</b>	30211929 Encoders