

# 58V10003EL3050 Cut Sheet



Wachendorff Automation WDG 58V series incremental (quadrature) rotary encoder, 5–30 VDC, universal (TTL line driver or HTL NPN/PNP open collector) output, heavy duty, 1000 ppr, 10mm solid shaft, 58mm diameter body, IP67 and IP69K, 16.4ft/5m cable length, pigtail.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/58V10003EL3050>

## Technical Specifications

<b>Brand</b>	Wachendorff Automation
<b>Item</b>	Encoder
<b>Series</b>	WDG 58V
<b>Feedback Type</b>	Incremental (quadrature)
<b>Encoder Type</b>	Rotary
<b>Voltage Rating</b>	5–30 VDC
<b>Encoder Output Type</b>	Universal (line driver or NPN/PNP open collector)
<b>Duty Rating</b>	Heavy duty
<b>Programmable Encoder Resolution</b>	No
<b>Encoder Resolution</b>	1000 ppr
<b>Shaft Type</b>	Solid
<b>Shaft Diameter</b>	10mm
<b>Radial Shaft Load</b>	100N
<b>Axial Shaft Load</b>	100N

<b>Frequency Response</b>	200 kHz
<b>Speed Rating</b>	3600 rpm
<b>Flange Mount</b>	No
<b>Encoder Body Diameter</b>	58mm
<b>Housing Material</b>	Stainless steel
<b>IP Rating</b>	IP67 and IP69K
<b>Protection Type(s)</b>	<ul style="list-style-type: none"><li>• short circuit</li><li>• reverse polarity</li></ul>
<b>Cable Length</b>	16.4ft/5m
<b>Cable Diameter Size</b>	6mm
<b>Wire Size</b>	24 AWG
<b>Exit Orientation</b>	Radial
<b>Connector Type</b>	Pigtail
<b>Manufacturer Part Number</b>	WDG 58V-1000-ABN-R30-L3-050

## Agency Approvals

<b>UL Listed File #</b>	1WD2.E226909
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/58V10003EL3050.pdf>  
See store item page for other formats.