

58V5003EL3050 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, 500 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/58V5003EL3050>

Technical Specifications

Brand	Wachendorff Automation
Item	Encoder
Series	WDG 58V
Feedback Type	Incremental (quadrature)
Encoder Type	Rotary
Voltage Rating	5–30 VDC
Encoder Output Type	Universal (line driver or NPN/PNP open collector)
Duty Rating	Heavy duty
Programmable Encoder Resolution	No
Encoder Resolution	500 ppr
Shaft Type	Solid
Shaft Diameter	10mm
Radial Shaft Load	100N
Axial Shaft Load	100N

Frequency Response	200 kHz
Speed Rating	3600 rpm
Flange Mount	No
Encoder Body Diameter	58mm
Housing Material	Stainless steel
IP Rating	IP67 and IP69K
Protection Type(s)	<ul style="list-style-type: none">• short circuit• reverse polarity
Cable Length	16.4ft/5m
Cable Diameter Size	6mm
Wire Size	24 AWG
Exit Orientation	Radial
Connector Type	Pigtail
Manufacturer Part Number	WDG 58V-500-ABN-R30-L3-050

Agency Approvals

UL Listed File #	1WD2.E226909
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/58V5003EL3050.pdf>
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