

58V1003EL3050 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, 100 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/58V1003EL3050>

Technical Specifications

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|--|---|
| 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 | 100 ppr |
| Shaft Type | Solid |
| Shaft Diameter | 10mm |
| Radial Shaft Load | 100N |
| Axial Shaft Load | 100N |

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| 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-100-ABN-R30-L3-050 |

Agency Approvals

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| 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/58V1003EL3050.pdf>
See store item page for other formats.