# 58H12603ESC8 Cut Sheet

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Wachendorff Automation WDGI 58H series incremental (quadrature) rotary encoder, 5–30 VDC, universal (TTL line driver or HTL NPN/PNP open collector) output, 60 ppr, multiple hollow shafts (6–12mm), IP65, M12 male.

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

https://www.automationdirect.com/pn/58H12603ESC8

## Technical Specifications

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|---|---|
| **Brand** | Wachendorff Automation |
| **Item** | Encoder |
| **Series** | WDGI 58H |
| **Feedback Type** | Incremental (quadrature) |
| **Encoder Type** | Rotary |
| **Voltage Rating** | 5–30 VDC |
| **Sensing Method** | Optical |
| **Encoder Output Type** | Universal (TTL line driver or HTL NPN/PNP open collector) |
| **Duty Rating** | Heavy duty |
| **Programmable Encoder Resolution** | No |
| **Encoder Resolution** | 60 ppr |
| **Shaft Type** | Hollow |
| **Shaft Diameter** | 6mm, 1/4in, 7mm, 8mm, 3/8in, 10mm and 12mm |

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|---|---|
| **Radial Shaft Load** | 80N |
| **Axial Shaft Load** | 60N |
| **Frequency Response** | 200 kHz |
| **Speed Rating** | 6000 rpm |
| **Flange Mount** | No |
| **Flange Diameter** | 58mm |
| **Encoder Body Diameter** | 58mm |
| **Housing Material** | Die-cast aluminum |
| **IP Rating** | IP65 |
| **Protection Type(s)** | • short circuit<br>• reverse polarity |
| **Exit Orientation** | Radial |
| **Connector Type** | M12 male |
| **Manufacturer Part Number** | WDGI 58H-12-60-ABN-R30-SC8 |

## Agency Approvals

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|---|---|
| **UL Listed File #** | 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/58H12603ESC8.pdf
See store item page for other formats.