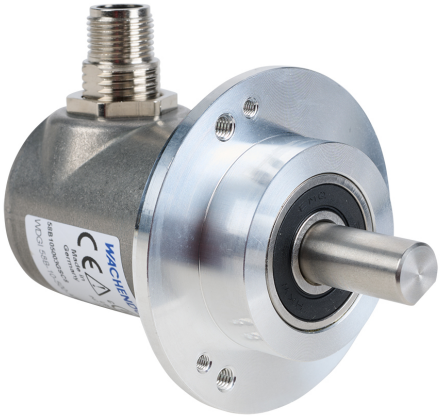
# 58B105003GSC8 Cut Sheet

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Wachendorff Automation WDGI 58B series incremental (quadrature) rotary encoder, 5–30 VDC, universal (TTL line driver or HTL NPN/PNP open collector) output, 500 ppr, 10mm solid shaft, flange mount, IP65 and IP67, M12 male.

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

https://www.automationdirect.com/pn/58B105003GSC8

## Technical Specifications

| | |
|---|---|
| **Brand** | Wachendorff Automation |
| **Item** | Encoder |
| **Series** | WDGI 58B |
| **Feedback Type** | Incremental (quadrature) |
| **Encoder Type** | Rotary |
| **Voltage Rating** | 5–30 VDC |
| **Sensing Method** | Magnetic |
| **Encoder Output Type** | Universal (TTL line driver or HTL 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** | 220N |
| **Axial Shaft Load** | 120N |
| **Frequency Response** | 1 MHz and 600 kHz |
| **Speed Rating** | 8000 rpm |
| **Flange Mount** | Yes |
| **Flange Diameter** | 58mm |
| **Encoder Body Diameter** | 36mm |
| **Housing Material** | Die-cast aluminum and stainless steel |
| **IP Rating** | IP65 and IP67 |
| **Protection Type(s)** | • short circuit<br>• reverse polarity |
| **Exit Orientation** | Radial |
| **Connector Type** | M12 male |
| **Manufacturer Part Number** | WDGI 58B-10-500-ABN-M35-SC8 |

## Agency Approvals

| | |
|---|---|
| **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/58B105003GSC8.pdf
See store item page for other formats.