58B10XXBASSC8 Cut Sheet

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Wachendorff Automation WDGN 58 series incremental (quadrature) rotary encoder, 5-32 VDC, universal (TTL line driver or HTL NPN/PNP open collector) output, NFC (wireless), heavy duty, up to 14-bit (16384 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/58B10XXBASSC8

Technical Specifications

Brand	Wachendorff Automation
Item	Encoder
Series	WDGN 58
Feedback Type	Incremental (quadrature)
Encoder Type	Rotary
Voltage Rating	5-32 VDC
Sensing Method	Magnetic
Encoder Output Type	Universal (TTL line driver or HTL NPN/PNP open collector)
Duty Rating	Heavy duty
Communication Port and Connection Type(s)	NFC (wireless)
Programmable Encoder Resolution	Yes
Encoder Resolution	Up to 14-bit (16384 ppr)
Shaft Type	Solid
Shaft Diameter	10mm
Radial Shaft Load	220N

Axial Shaft Load	120N
Frequency Response	600 kHz and 1 MHz
Speed Rating	8000 rpm
Flange Mount	Yes
Flange Diameter	58mm
Encoder Body Diameter	36mm
Housing Material	Stainless steel
IP Rating	IP65 and IP67
Protection Type(s)	• short circuit • reverse polarity
Exit Orientation	Radial
Connector Type	M12 male
Requires	8-pin female M12 cable
Additional Information	Optional iPhone or Android app or NFCUSBREADER desktop NFC reader and WDGN-CONFIG-TOOL software available for custom configuration
Manufacturer Part Number	WDGN 58B-10-XX-BAS-SC8

Agency Approvals

EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/2d/58B10XXBASSC8.pdf
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