WACHENDORFF
Automation GmbH & Co. KG

Top class
Motorfeedback WDGF

- **Highest precision for high dynamic motion control**
- **Compact design: Ø 58 mm**
- **BISS-C, SSI with 19 bit single-turn and up to 2,048 sin/cos**
- **Incremental up to 25,000 PPR**
- **Electronic ID label**

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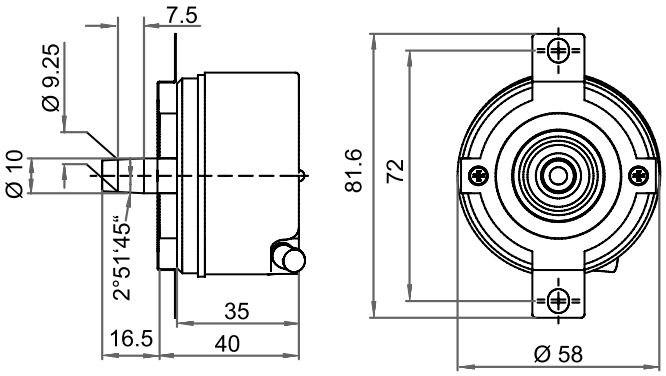
10/2011

IndustrieROBUST

Top class motorfeedback
... for high dynamic synchronous motors and drives

Highest precision for high dynamic motion control.

The WDGF was designed for the highest requirements. Even under extreme environmental conditions the WDGF operates reliably and provides highly accurate signals for the fast control of synchronous motors.
The optical principle guarantees a fast and accurate measurement of position and speed. The rugged design ensures a high operational stability.



All dimensions in mm.

Encoder motorfeedback WDGF	
Typ	**58M**
Interface for singleturn	BISS-C, SSI
Clock frequency SSI/BISS-C	4/10 MHz
Functions	inversion of the direction, preset, status LED
Resolution singleturn absolute	max. 19 Bit
Resolution sin/cos	512, 1,024, 2,048 PPR
Output circuit	sin/cos, 1 Vss, 120 Ohm
Output channels	AB
Limit frequency (-3 dB)	400 kHz
Resolution only incremental	up to 25,000 PPR
Housing	Ø 58 mm, L 40 mm
Shaft	cone 1/10, Ø 9.25 mm, L 14 mm
Operating speed	max. 12,000 rpm
Permissible shaft load	max. 80 N radial, max. 60 N axial
Power supply	4.75 VDC up to 5.5 VDC 3.5 VDC up to 30 VDC
Operating temperature	-40 °C up to +115 °C
Protection rating	IP67 all around, shaft sealed to IP65
Connection	cable output, 2 m, tangential
wachendorff-automation.com	**/wdgf58m**

Any Questions? Just call Patrick Steiner +49 (0) 6722/9965-523, send him an E-mail at pst@wachendorff.de or call your local distributor: **http://www.wachendorff-automation.com/distri**

WACHENDORFF

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