

Corrosion-resistant encoder

Salt mist (IEC 60068-2-11)
succeeded






- Specifically for applications in offshore and harbor
- High protection rating IP67/IP68 all around and IP69K
- Extremely robust
- Incremental and absolute
- 5-years warranty



Corrosion-resistant encoder

... incremental or absolute

	Encoder WDG incremental		Encoder WDGA absolute
			
Type:	WDG 53S	WDG 58S	WDGA 58S
Material: Housing Flange Shaft	aluminium anodised (blue) aluminium anodised (blue) stainless steel	stainless steel, V4A stainless steel, V4A stainless steel, V4A	steel case chrome-plated, magnetic shield stainless steel aluminium, anodized natur
Flange:	screw flange	clamping flange	
Resolution:	up to 1,500 PPR	up to 25,000 PPR	up to 14 bit ST / 40 bit MT
Flange Ø:	D=53 mm	D=58 mm	
Shaft:	D=6 mm; L=13 mm	D=10 mm; L=18 mm	
Max. operating speed:	6,000 rpm	3,600 rpm	
Permitted load on shaft end:	max. 20 N radial, max. 10 N axial	max. 100 N radial, max. 100 N axial	
Output circuit / interface:	TTL, RS422 comp., HTL		CANopen, SSI, SAE J1939, RS485
Output channels:	AB, ABN and inverted signals		-
Max. pulse frequency:	up to 200 kHz	up to 2 MHz	CANopen: up to 1 Mbaud SAE J1939: up to 1 Mbaud RS485: up to 1 Mbaud SSI: up to 500 kHz up to 2 MHz on request
Power supply:	4.75 VDC up to 5.5 VDC 10 VDC up to 30 VDC	4.75 VDC up to 5.5 VDC 10 VDC up to 30 VDC 5 VDC up to 30 VDC	CANopen: 10 VDC up to 30 VDC SSI, RS485: 4.75 VDC up to 5.5 VDC 10 VDC up to 30 VDC SAE J1939: 10 VDC up to 32 VDC
Operating temperature:	-40 °C up to +80 °C	-20 °C up to +80 °C	
Protection rating:	IP68, connector IP67 salt mist IEC 60068-2-11	IP67 all around and IP69K salt mist IEC 60068-2-11	
Further information: www.wachendorff-automation.com	/wdg53s	/wdg58s	/wdga

Your success: being innovative together

- Many years of expert application consultancy
- Sustainable and systematic, ISO certified
- „Made in Germany“, 5-years warranty

Wachendorff Automation, a member of the Wachendorff Group, develops and manufactures industrial-grade and automotive-grade encoders and systems. Developing-accompanying and extensive design tests ensure the reliable and long-lasting

application (as can be proved) in many industrial branches and mobile working machines in the roughest environmental conditions. This guarantees reliable and long-lasting applications under the most exacting on-site conditions. Software-controlled manufacturing ensures the complete traceability of each individual device. More than 750 individual serial solutions are in use around the world.

Wachendorff Product Management and our R&D team look forward to meet your challenges!



Any Questions? Just call Dieter Schömel +49 (0) 6722/9965-10, send him an E-mail at sco@wachendorff.de or call your local distributor: www.wachendorff-automation.com/distri



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