




hollow bore encoders WDG			
			
Type	40E	58E	58H
Type of housing	blind hollow bore		hollow bore
Resolution	up to 2500 PPR		up to 25000 PPR
Housing	Ø 40 mm, L 32 mm oder L 37,5 mm		Ø 58 mm, L 38 mm
Shaft	Ø 6 mm	Ø 8, 10, 12, 15 mm, H7	Ø 8, 10, 12, 14 mm, H7
Max. operating speed	12000 min <sup>-1</sup>	6000 min <sup>-1</sup>	
Permitted shaft loading	max. 80 N radial, max. 60 N axial		
Output circuits	TTL, RS422 compatible, HTL	TTL, RS422 compatible, HTL, 1 Vss Sin/Cos	
Output channels	AB, ABN and inverted signals		
Max. output frequency	200 kHz	2 MHz	
Operating voltage	4,75 VDC up to 5,5 VDC 10 VDC up to 30 VDC max. 70 mA	4,75 VDC up to 5,5 VDC 10 VDC up to 30 VDC 5 VDC up to 30 VDC max. 100 mA	
Operating temperature	-20 °C up to +80 °C (Option: -40 °C up to +80 °C)	-20 °C up to +80 °C (Option: -40 °C up to +80 °C), 1 Vss: -10 °C up to +70 °C	
Degree of protection	IP67, shaft sealed to IP65		IP65
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hollow bore ecoders WDG			
			
Type	80H	100H	145H
Type of housing	hollow bore		
Resolution	up to 3840 PPR	up to 5000 PPR	up to 2500 PPR
Housing	Ø 80 mm, L 40 mm	Ø 100 mm, L 37 mm	Ø 145 mm, L 50 mm
Shaft	Ø 10, 12, 15, 18, 20, 25 mm, H8	Ø 25, 1Z (=25.4), 28, 30, 32, 35, 36, 38, 40, 42, 45 mm	Ø 45, 48, 50, 55, 60, 65, 72 mm
Max. operating speed	3500 min <sup>-1</sup>		1600 min <sup>-1</sup>
Permitted shaft loading	max. 200 N radial max. 100 N axial		max. 200 N radial max. 100 N axial
Output circuits	TTL, RS422 compatible, HTL, 1 Vss Sin/Cos		TTL, RS422 compatible, HTL
Output channels	AB, ABN and inverted signals		
Max. output frequency	200 kHz		
Operating voltage	4,75 VDC up to 5,5 VDC 10 VDC up to 30 VDC 5 VDC up to 30 VDC max. 70 mA		4,75 VDC up to 5,5 VDC 10 VDC up to 30 VDC max. 70 mA
Operating temperature	-20 °C up to +80 °C (Option: -40 °C up to +80 °C), 1 Vss: -10 °C up to +70 °C		-20 °C up to +80 °C (Option: -40 °C up to +80 °C)
Degree of protection	IP65	IP54 (Option: IP55 all around)	IP54
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