



Basic features

Approval/Conformity	CE
	cULus
	WEEE
	UKCA
Measuring principle	absolute measuring system

Display/Operation

Function indicator	LED red/green
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Electrical connection

Connection	Bus hood
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Electrical data

Mean life expectancy	2x 10 ⁸ U at 100 % rated shaft load
	3,5x 10 ⁹ U at 40 % rated shaft load
	2,5x 10 ¹⁰ U at 20 % rated shaft load
Multi turn technology	Wiegand wire
Operating voltage U _B	10 ... 32 VDC
Single turn accuracy	± 0.0878° (≤ 12 bits)
Single turn repeat accuracy	± 0.0878° (≤ 12 bits)
Single turn technology	Hall sensor
Speed max.	8000 U/min
Switch-on delay max.	1.5 s

Environmental conditions

Ambient temperature	-40...85 °C
IP rating	Housing: IP65, IP67 Shaft entrance: IP65
Storage temperature	-40...100 °C

Functional safety

Diagnostic coverage	0 %
MTTF (40 °C)	300 a
Mission Time	20 a

Interface

Interface	EtherCAT
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Material

Housing material	Die cast aluminum
Housing material, surface protection	Powder coated
Material flange	Aluminium

Mechanical data

Bearings type	3x precision ball bearings
Flange type	Clamping flange
Housing diameter	58 mm
Shaft load axial max.	500 N
Shaft load radial max.	500 N
Starting torque typ.	ca. 1 Ncm bei Raumtemperatur

