



ENVIRONMENTAL SPECIFICATIONS

Shock:	100 g, 6 ms (acc. to MIL STD 202F)
Vibrations:	10 g, 5-2000 Hz (acc. to MIL STD 202F)
Operating temperature range:	-20°C +70°C (-4°F +158°F)
Storage temperature range:	-20°C +80°C (-4°F +176°F) (98% R.H.without condensation)
Protection:	IP54
Options:	- Operating temperature range: -40°C +100°C (-40°F +212°F) - IP65 Protection (2000 rpm max, torque 2 Ncm)

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft hollow:	Ø 20 ÷ 43,97 mm
Shaft loading (axial and radial):	60 N max.
Shaft rotational speed:	2000 rpm@70°C (158°F)/IP54 3000 rpm@100°C (212°F)/IP54 1500 rpm@70°C (158°F)/IP65 2000 rpm@100°C (212°F)/IP65
Starting torque at 20°C:	4 ÷ 12 Ncm (typical)
Moment of inertia:	100 ÷ 450 gcm ²
Misalignment:	± 0,3 mm radial ± 0,2 mm axial
Bearings life:	10 ⁹ rev. min.
Weight:	0,3 ÷ 0,6 kg (10,6-21,2 oz)

ELECTRICAL SPECIFICATIONS

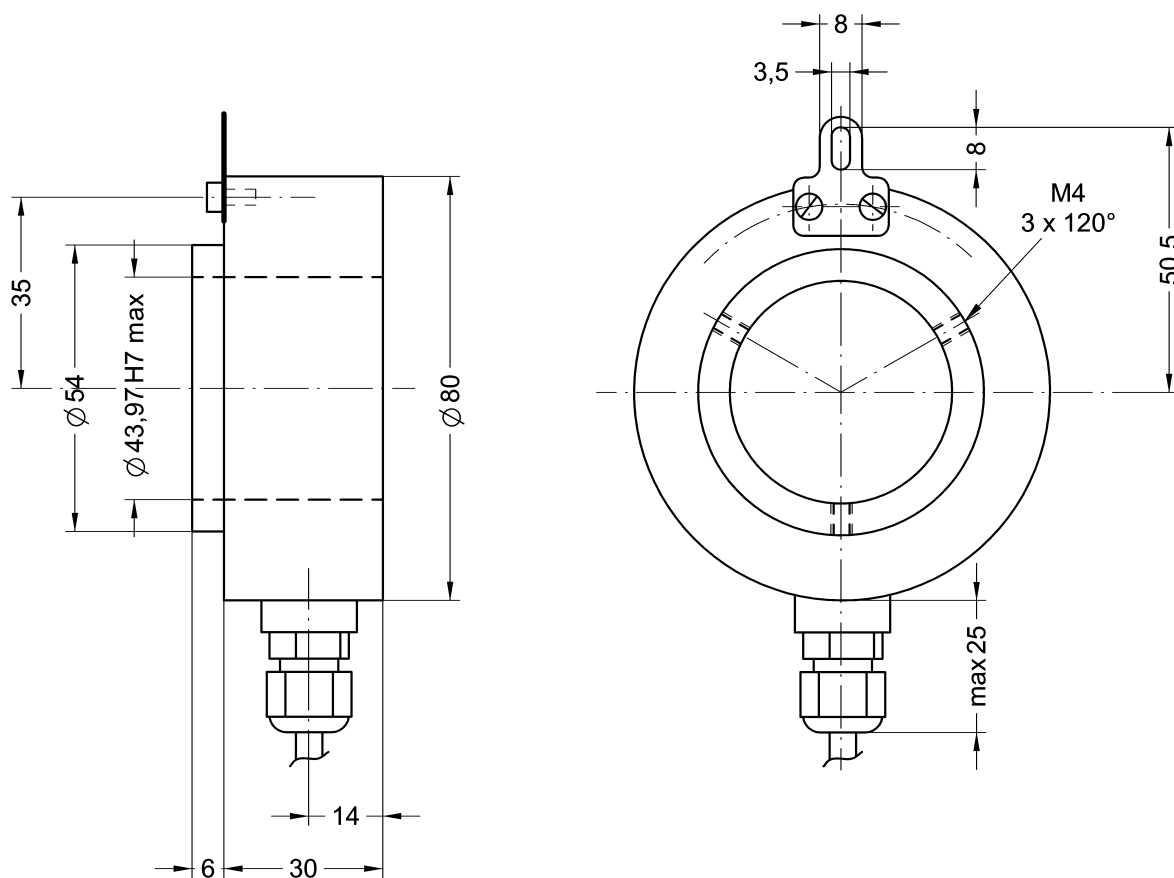
STD pulse rate (other PPR upon request):	12-300-500-1024-2000-2048-2500
Power supply:	+5V±5%, +10V +30V,+5V +30V
Output circuits:	Push-Pull, Line Driver, PP/LD
Output current (per channel):	40 mA max.
Output frequency:	100 kHz max.
Input current:	40 mA max.
Protection:	against inversion of polarity (except +5V version) outputs are protected against short-circuit (except Line Driver version)
Optoelectronic life:	100.000 hrs min.
Option:	Output freq. 200 kHz max.

MATERIALS

Flange:	steel
Housing:	non corroding
Bearings:	ABEC 5
Shaft:	stainless steel, non-magnetic
Light source:	GaAl diodes

ACCESSORIES

EDE9S:	9 pin DSub mating connector
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C81

ORDERING CODE

ADDITIONAL CODE (indicate only if necessary)

XXXX - X - XXXX		X	X	X	X	X	X	X	X	X	X	X	X	X
SERIES		SHAFT DIAMETER												
C81		20 20 mm												
OUTPUT CIRCUITS		ELECTRICAL CONNECTIONS												
Push-Pull Y		N Normal output		F 5 wires cable, 1m. (3.3 ft)										
Line Driver AD26LS31 or eqv. L		C Complementary outputs		U 8 wires cable, 1m. (3.3 ft)										
PP/LD universal circuit H		see on page 59-60												
PULSE RATE (PPR)		SUPPLY VOLTAGE VS OUTPUT CIRCUIT												
See electrical specifications		+5V±5% (L output circuit) 1												
		+10V÷ +30V (Y output circuits) 2												
		+5V÷+30V (PP/LD universal circuit) 4												
OUTPUT SIGNALS CONFIGURATION		Cable length on request Lx												
Bidirectional B		Ex.: L4 = 4 m. (13.2 ft)												
Bidirectional with index pulse Z		L7 = 7 m. (23.0 ft)												
		Operating temperature range: K												
		-40°C + 100°C (-40°F +212°F)												
		Output frequency up to 200 kHz W												
		IP65 Protection P												
		Inline connector DSub 9 pin C												