



I28

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

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft:	Ø 4, 5 mm
Shaft loading (axial and radial):	20 N max.
Shaft rotational speed:	3000 rpm max.
Starting torque at 20°C:	≤ 0,3 Ncm (typical)
Moment of inertia:	~10 gcm ²
Bearings life:	10 ⁹ rev. min.
Weight:	~ 0,1 kg (3,5 oz)

ELECTRICAL SPECIFICATIONS

STD pulse rate (other PPR upon request):	100-200-250-360-500-1024
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:	30 kHz max.
Input current:	50 mA max.
Protection:	against inversion of polarity (except +5V version)
Optoelectronic life:	100.000 hrs min.
Option:	• Output frequency up to 100 kHz max.

MATERIALS

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

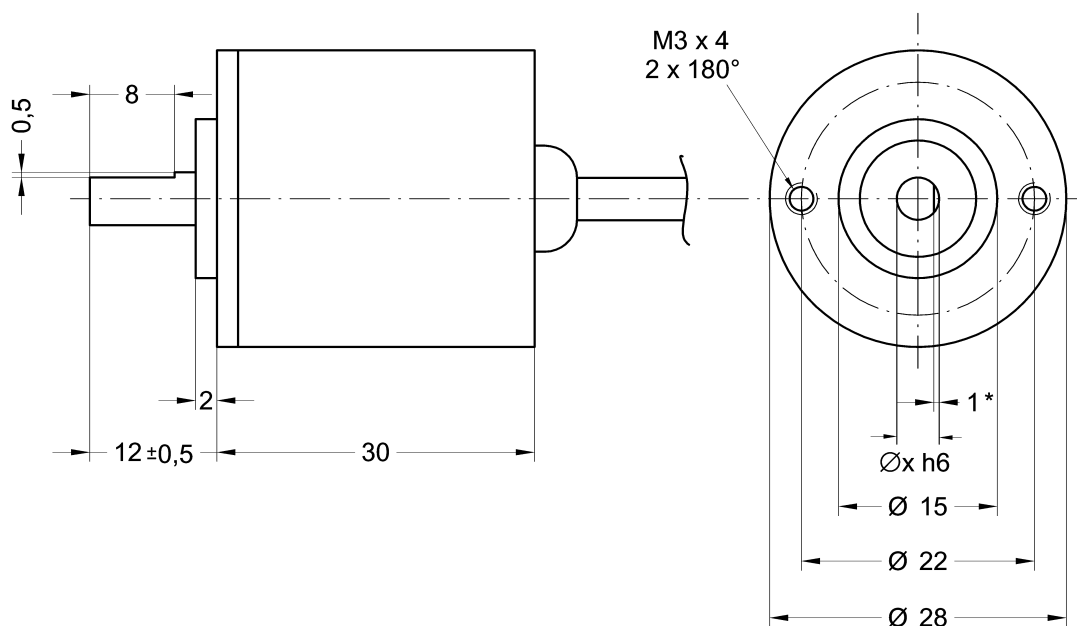
ELECTRICAL CONNECTIONS

8 wires cable

red-black	A
blue	/A
green	B
orange	/B
white	0
white-black	/0
red	+Vdc
black	0 Vdc

ACCESSORIES

PAN/PGF:	flexible couplings
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I28

ORDERING CODE

XXXX - X - XXXX

SERIES

I28

OUTPUT CIRCUITS

Push-Pull

Line Driver AD26LS31 or eqv.

PP/LD universal circuit

Y

L

H

PULSE RATE (PPR)

See electrical specifications

OUTPUT SIGNALS CONFIGURATION

Bidirectional

Bidirectional with index pulse

B

Z

X

ELECTRICAL CONNECTIONS

N

Normal output

C

Complementary outputs

F

5 wires cable, 1m (3.3 ft)

U

8 wires cable, 1m (3.3 ft)

SHAFT DIAMETER

4

4 mm

5

5 mm

SUPPLY VOLTAGE VS OUTPUT CIRCUIT

+5V±5% (L output circuit)

+10V÷ +30V (Y output circuit)

+5V÷+30V (PP/LD universal circuit)

1

2

4

ADDITIONAL CODE (indicate only if necessary)

X

X

Cable length on request

Ex.: L4 = 4 meters (13.2 ft)

L7 = 7 meters (23.0 ft)

Lx

Output frequency up to 100 kHz

V

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