



CK46

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:	IP64
Options:	• Operating temperature range: -40°C +100°C (-40°F +212°F) • IP65 Protection (3000 rpm max, torque 1 Ncm)

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft hollow:	Ø 6, 6.35 mm
Shaft loading (axial and radial):	20 N max.
Shaft rotational speed:	6000 rpm max.
Starting torque at 20°C:	≤ 0,5 Ncm (typical)
Moment of inertia:	~20 gcm ²
Bearings life:	10 ⁹ rev. min.
Weight:	~ 0,2 kg (7,0 oz)

ELECTRICAL SPECIFICATIONS

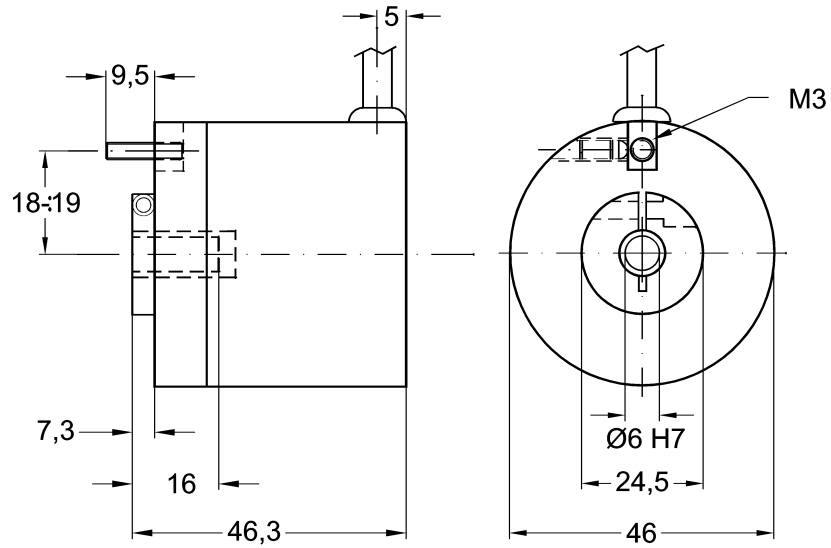
STD pulse rate	1-5-8-10-15-20-25-30-32-40-50-60-64-72-84-90
(other PPR upon request):	100-125-127-150-176-180-200-250-300-314-320 360-400-500-540-600-625-635-720-900-1000 1021-1024-1080-1200-1250-1440-1500-1600 2000-2500-3000-3600
Power supply:	+5V±5%, +10V +30V,+5V +30V
Output circuits:	Push-Pull, Line Driver, PP/LD
Output current (per channel):	40 mA max.
Output frequency:	60 kHz max.
Input current:	50 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.

MATERIALS

Flange:	non corroding
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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CK46

ORDERING CODE

XXXX	-	X	-	XXXX	X
SERIES CK46					
OUTPUT CIRCUITS Push-Pull Y Line Driver AD26LS31 or eqv. L PP/LD universal circuit H					
PULSE RATE (PPR) See electrical specifications					
OUTPUT SIGNALS CONFIGURATION Bidirectional B Bidirectional with index pulse Z					

X	X	X	X								
ELECTRICAL CONNECTIONS <table border="1"> <tr> <td>N</td> <td>Normal output</td> <td>F</td> <td>5 wires cable, 1m. (3.3 ft)</td> </tr> <tr> <td>C</td> <td>Complementary outputs</td> <td>U</td> <td>8 wires cable, 1m. (3.3 ft)</td> </tr> </table> see on page 59-60				N	Normal output	F	5 wires cable, 1m. (3.3 ft)	C	Complementary outputs	U	8 wires cable, 1m. (3.3 ft)
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SUPPLY VOLTAGE VS OUTPUT CIRCUIT <table border="1"> <tr> <td>+5V±5% (L output circuit)</td> <td>1</td> </tr> <tr> <td>+10V÷ +30V (Y output circuit)</td> <td>2</td> </tr> <tr> <td>+5V÷ +30V (PP/LD universal circuit)</td> <td>4</td> </tr> </table>				+5V±5% (L output circuit)	1	+10V÷ +30V (Y output circuit)	2	+5V÷ +30V (PP/LD universal circuit)	4		
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SHAFT DIAMETER

6	6 mm
635	6.35 mm / 1/4"

ADDITIONAL CODE (indicate only if necessary)

X	X	X	X
C Inline connector DSub 9 pin			
Lx Cable length on request Ex.: L4 = 4 m (13.2 ft) L7 = 7 m (23.0 ft)			
K Operating temperature range: -40°C + 100°C (-40°F + 212°F)			
P IP65 Protection			