series

**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:	<ul> <li>Operating temperature range: -40°C +100°C (-40°F +212°F</li> <li>IP65 Protection (3000 rpm max, torque 1 Ncm</li> </ul>	

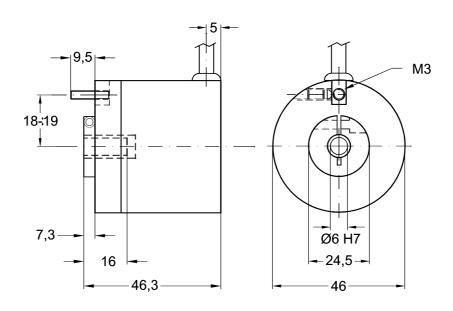
MECHANICAL SPECIFICATIONS		
Dimensions:	see drawing	
Shaft hollow:	Ø 6, 6.35 mm	
Shaft loading (axial and radial):	20 N max.	
Shaft rotational speed:	6000 rpm max.	
Starting torque at 20°C:	≤ 0,5 Ncm (typical)	
Moment of inertia:	~20 gcm²	
Bearings life:	109 rev. min.	
Weight:	~ 0,2 kg (7,0 oz)	

	ELECTRICAL SPECIFICATIONS
STD pulse rate (other PPR upon request):	1-5-8-10-15-20-25-30-32-40-50-60-64-72-84-90 100-125-127-150-176-180-200-250-300-314-320 360-400-500-540-600-625-635-720-900-1000 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	

CK46



ORDERING CODE ADDITIONAL CODE (indicate only if necessary) XXXX - X - XXXX X X X X X X X X SHAFT DIAMETER **6** 6 mm **SERIES 6.35** 6.35 mm / 1/4" CK46 **OUTPUT CIRCUITS** Push-Pull Y Line Driver AD26LS31 or eqv. ELECTRICAL CONNECTIONS PP/LD universal circuit H C Inline connector DSub 9 pin N Normal output F 5 wires cable, 1m. (3.3 ft) PULSE RATE (PPR) Cable length on request C Complementary 8 wires cable, 1m. (3.3 ft) **Lx** Ex.: L4 = 4 m (13.2 ft) See electrical specifications outputs L7 = 7 m (23.0 ft)see on page 59-60 K Operating temperature range: -40°C + 100°C (-40°F +212°F) OUTPUT SIGNALS CONFIGURATION SUPPLY VOLTAGE VS OUTPUT CIRCUIT +5V±5% (L output circuit) 1 Bidirectional B +10V÷ +30V (Y output circuit) 2 Bidirectional with index pulse Z P IP65 Protection +5V÷ +30V (PP/LD universal circuit) 4