ROTAPULS
Incremental encoder

series **CK61**

- Integrated flexible coupling
- Direct coupling on motors
- Expansion shaft



CK61

ENVIRONMENTAL SPECIFICATIONS	
Schock:	100 g, 6 ms (MIL STD 202F)
Vibrations:	10 g, 5-2000 Hz (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:	IP65 (mounted)
Option:	• Operating temperature range: -40°C +100°C (-40°F +212°F)

MECHANICAL SPECIFICATIONS	
Dimensions:	see drawing
Shaft hollow:	Ø 10, 12 mm
Shaft loading (axial and radial):	30 N max.
Shaft rotational speed:	6000 rpm max.
Starting torque at 20°C	≤ 1,5 Ncm
Moment of inertia:	~ 30 gcm²
Bearing life:	10^9 Umdr./*giri*
Weight:	~ 0,4 kg

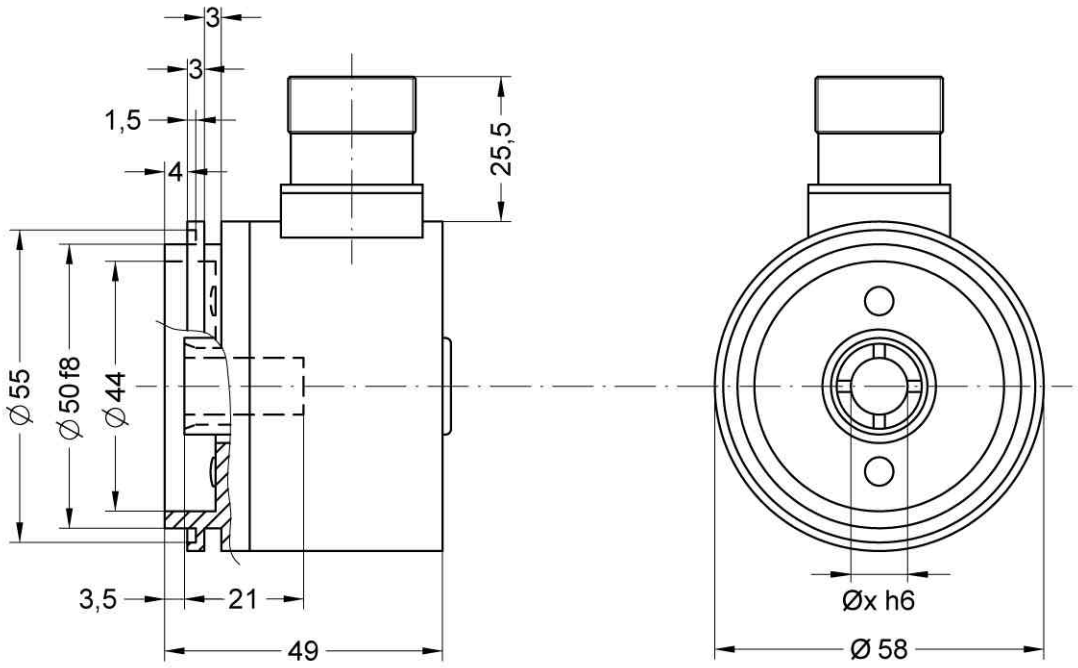
ELECTRICAL SPECIFICATIONS	
STD pulse rate:	4-5-6-10-12-15-16-20-25-30-36-40-45-50-60 70-80-90-100-125-127-128-150-160-180-200 250-300-314-360-400-500-512-600-900-1000 1024-1250-1500-1800-2048-2500-3600
Power supply:	5V ±5%, +10V +30V, +5V +30V
Output circuits:	NPN o.c., PNP o.c., Push-Pull, Line Driver, PP/LD
Output current (per channel):	40 mA max.
Output frequency:	100 kHz max.
Input current:	70 mA max.
Protection:	against inversion of polarity against short-circuit (except Line Driver version)
Optoelectronic life:	min. 100.000 h
Option:	• Output frequency up to 300 kHz

MATERIALS	
Flange:	non corroding
Housing:	non corroding
Bearings:	ABEC 5
Shaft:	brass
Light source:	GaAl diodes

www.lika.biz
- Data-sheet
- User manual

ACCESSORIES	
EPFL121:	12 pin CONNEI mating connector
LKM-386	fixing clamps

SENSE ELEKTRONIK KARAKOY/ISTANBUL T:0212 237 78 14 F: 0212 237 78 04 info@senseelektronik.com



ORDERING CODE

XXXX - X - XXXX X X X X X X

SERIES

CK61	

OUTPUT CIRCUITS

NPN o.c.	N
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

SHAFT DIAMETER

10	10 mm
12	12 mm

ELECTRICAL CONNECTIONS

C	Complimentary outputs	Z	12 pin CONNEI connector

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SUPPLY VOLTAGE VS OUTPUT CIRCUIT

+5V±5% (L output circuit)	1
+10V÷ +30V (N, P and Y output circuits)	2
+5V÷+30V (PP/LD universal circuit)	4

ADDITIONAL CODE (indicate only if necessary)

X X

K	Operating temperature range -40°C +100°C (-40°F +212°F)

W	Output frequency up to 300 kHz