

# Incremental hollow shaft encoder BHID

## features

- large hollow shaft encoder up to  $\varnothing$  110 mm
- rugged aluminum housing
- small mounting depth



## general data

voltage supply	5 VDC $\pm$ 10% ( <b>05A</b> ) 9 - 26 VDC ( <b>25K</b> )
max. supply current no load	typ. 100 mA (at 5 VDC) ( <b>05A</b> ) typ. 100 mA (at 24 VDC) ( <b>25K</b> )
pulse range	see order designation
max. switching frequency	120 kHz

## mechanical data

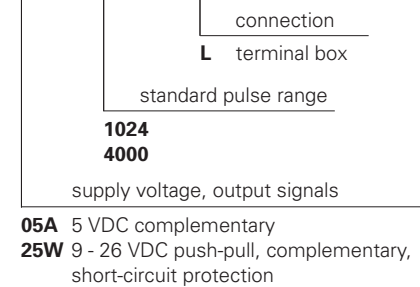
max. revolutions	3'500 rpm
moment of inertia	typ. $102 \times 10^{-4}$ kgm <sup>2</sup>
torque	typ. 50 cNm (at temperature range)
max. protection class	shaft: IP 54 housing: IP 54
material	housing: aluminum
weight	approx. 8'600 g

## ambient conditions

temperature range	-20...+85 °C
relative humidity	max. 95% non condensing
vibration	IEC 60068-2-6 ( $\leq 100$ m/s <sup>2</sup> / 55 - 2'000 Hz)
shock	IEC 60068-2-27 ( $\leq 2'000$ m/s <sup>2</sup> / 16 ms)

## order designation

**BHID 6ED16**       **KK L.20**



## accessories

Torque arm is included in delivery.

## assignment connector

for connection reference **L**

**05A** (5 VDC complementary)

**25W** (9 - 26 VDC push-pull, complementary, short-circuit protection)

clamps	signals
K1	CHA
K1	CHA inv.
K2	CHB
K2	CHB inv.
K0	CHN
K0	CHN inv.
+	+Vs
-	0 V
screen	screen is connected to housing



dimensions

1

