

ITEM 105137 HKB025S7G12

Description	Technical data	Accessories	Downloads
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Features

- › 100 detent positions per revolution
- › Wear-free magnetic detent mechanism
- › 25 pulses per revolution
- › Ideal for flat machine panels and small, light hand-held pendant stations like the housing HBA/HBM

Approvals



Mechanical values and environment

Material	Aluminum
Weight	
	Net 0.095 [1]
Ambient temperature	0 ... 50 °C

Atmospheric humidity (condensation not permissible)	0.8
Degree of protection	
IEC 529	IP65 ^[2]
acc. to NEMA 250	250-12 ^[3]
Resilience to vibration	
Vibration (3 axes)	DIN/IEC 68-2-6
Shock (3 axes)	DIN/IEC 68-2-27
Tightening torque	max.0,25 Nm
Connection	Screw terminal 7-pole
Detent positions per revolution	100

Electrical connection ratings

Operating voltage DC	10 ... 30 V DC
Current consumption	
Without load	max.80 mA
EMC protection requirements	
Acc. to CE	EN 61000-6-2, EN 61000-6-4
Type of output	Push-pull
Connection cross-section	0,08 ... 1,5 mm ²
Connection cross-section, AWG	28 ... 16 AWG
Pulses per revolution	2x25
Output voltage	
High(1)	at 0 mAmin.4,9 V DC
High(1)	at 5 mAmin.3,9 V DC
High(1)	at 20 mAmin.3,6 V DC
Low(0)	at 15 mAmax.1,3 V DC

Miscellaneous

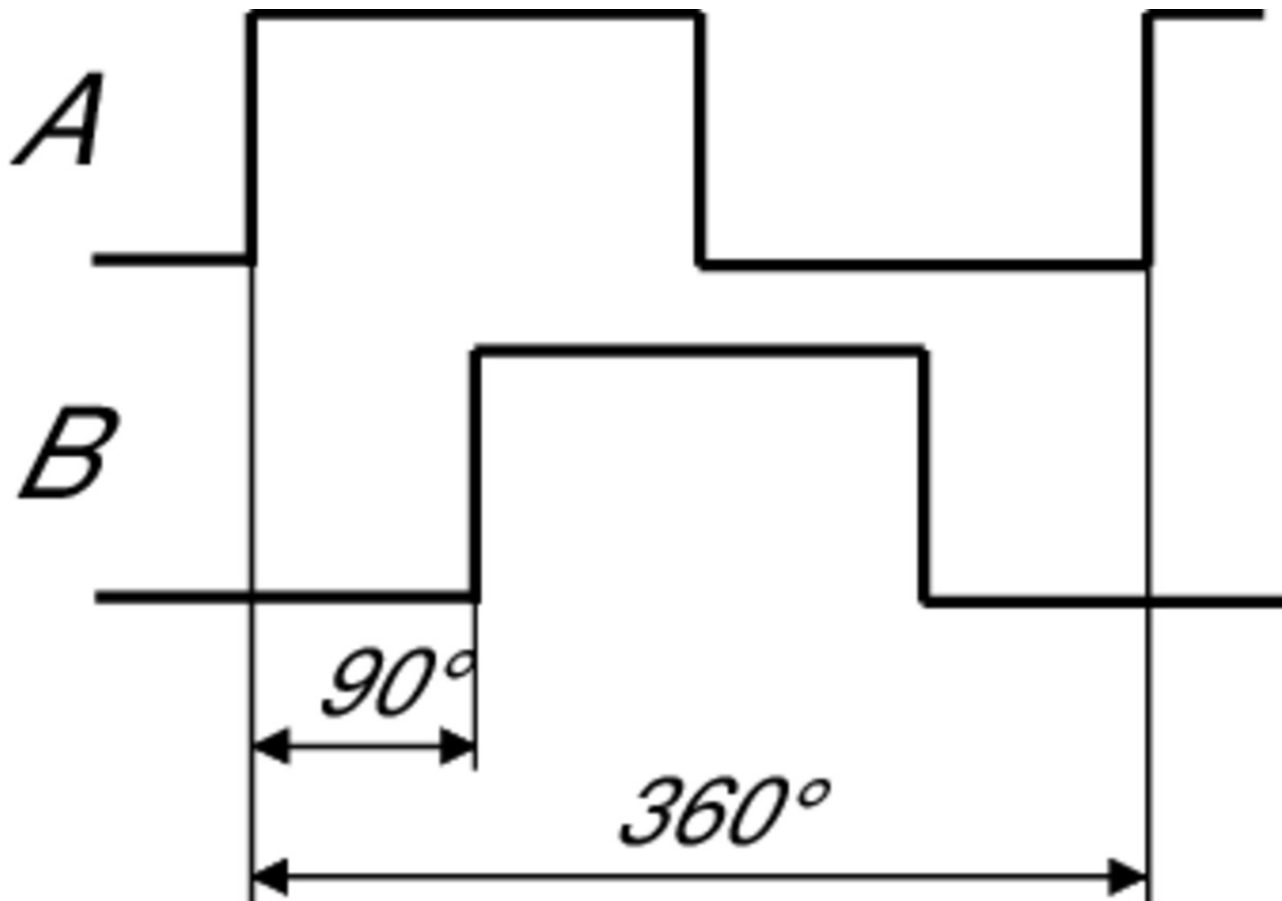
Detent mechanism	Magnetic
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^[1] Without dial

^[2, 3] On the front

The diagram shows a breadboard with a 741 op-amp and a 10k resistor. The op-amp is configured as a voltage follower. The input is connected to a voltage divider (10k and 10k) from a 5V source. The output is connected to a 10k load resistor. The breadboard is divided into three sections: power, input, and output.

Ausgangssignale



Function expansion

- ✓ Dial for handwheel HKB, suitable for front panels HKB



100914 EINSTELLRAD HKB 58 METALL SIL/SW

- ✓ All-metal dial for handwheel HKB, for installation in machine panel or HBA/HBM



111992 EINSTELLRAD HKB 66,5 METALL SIL/SW






- ✓ Plastic dial for handwheel HKB, for installation in machine panel or HBA/HBM



105961 EINSTELLRAD HKB/HBA







Instructions

- ✓ Betriebsanleitung Elektronisches Handrad HKB

	Doc. no.	Version	Language	Download
Betriebsanleitung Elektronisches Handrad HKB	103470	04-05/09		 1.2 MB
Mode d'emploi de la manivelle électronique HKB				
Istruzioni di impiego volantino elettronico HKB				
Operating instructions for electronic handwheel HKB				

Catalogs

-  Handbediengeräte/Handräder Hand-Held Pendant Stations/Handwheels Pupitres portables/Manivelles

	Doc. no.	Version	Language	Download
Handbediengeräte/Handräder	098619	08-09/17		 3.0 MB
Pupitres portables/Manivelles	111529	08-09/17		 3.0 MB
Hand-Held Pendant Stations/Handwheels	099443	08-09/17		 3.0 MB

CAD data

CAD data for this item on TraceParts