

HKB100S7A05K (Order no. 109429)

Handwheel HKB with key function

- ▶ 100 detents per revolution
- ▶ Wear-free magnetic detent mechanism
- ▶ 100 pulses per revolution
- ▶ Key function in axial direction
- ▶ Small design
- ▶ Ideal for flat operator panels and small, light hand-held pendant stations like HBA/HBM



Notes

- ▶ Output A05 suitable for Siemens control systems with RS422 input

Technical data

Approvals



Electrical connection values

Connection cross section	0.08 ... 1.5 mm ²	
Connection cross section AWG	28 ... 16 AWG	
Output type	RS422	
Output voltage		
	HIGH(1)	min. 3.4 V DC at 5mA (Key function)
	LOW(0)	max. 1.3 V DC at 15mA (Key function)
	HIGH(1)	min. 4.0 V DC at 0mA (Key function)
	HIGH(1)	min. 3.0 V DC at 20mA (Key function)
	in accordance with RS422A	
Operating voltage DC	5 V DC -5% ... +5%	
EMC protection requirements		
	according to CE	EN 61000-6-2, EN 61000-6-4
Pulses per revolution	2x100	
Current consumption		
	without load	max. 80 mA

Mechanical values and environment

Connection type	Screw terminal 7-pin + screen connection	
Tightening torque	max. 0.25 Nm	
Storage temperature	-25 ... 70 °C	
Atmospheric humidity		
	(condensation not permissible)	80 % rH

Detent positions per revolution	100
Shock and vibration resistance	according to EN 60068-2-27/-2-6
Degree of protection	
	IP65 (in the installed state)
according to NEMA	250-12 (in the installed state)
Ambient temperature	0 ... 50 °C
Material	Aluminum

Miscellaneous

Detent mechanism	Magnetic
Additional feature	Key function