



JDCE40B Series
 Sensing method Magnetic
 Functional principle Multiturn
 Housing size $\Phi 40\text{mm}$
 Blind hollow shaft $\Phi 6\text{mm}$
 Max. Resolution 28Bit
 Steps per turn 16384/14Bit
 Number of turn 16384/14Bit
 Interface CANopen
 Supply voltage 10-30VDC
 Protection IP67

Mechanical characteristics

Shaft diameter	Blind hollow shaft $\Phi 6\text{mm}$
Protection	IP67
Rotational speed	4000 rpm
Shaft loading	Max. 20N Axial; Max. 40N Radial
Shock resistance	100g, 6ms
Vibration resistance	10g, 10...2000Hz
Bearing life	10^9 turns
Material	Aluminium alloy
Shell material	Aluminium alloy
Operating temperature	-40 °C...+85 °C
Storage temperature	-40 °C...+85 °C
Weight	≈180g
Wiring method	Radial direction

Electrical characteristics

Supply voltage	10-30VDC
No-load current	< 60mA
Interface	CANopen
Transmission rate	Max 1Mbit/s
Code	Binary
Baud rate	Programmable setting, The default is 125kbit/s
The node address	Programmable setting, The default node ID is 20H
Counting direction	Programmable setting
Anti-interference	EN61000-6-2
Launch interference	EN61000-6-4
Circuit protection	Surge protection, Reverse polarity protection, ESD protection

Terminal assignment

CANopen

Signal		GND	+Ub	CAN_0V	CAN_H	CAN_L
Color		WH	BN	GY	GN	YE
5 -pin M12 Socket CCW (9212)		3	2	1	4	5

Ordering information

JDCE40	XX	B	6	B	12	13	S90T	10-30	R	2	/	XXXX
	①	②	③		④	⑤		⑥	⑦	⑧		⑨
①Extended No.	②Shaft type	③Shaft diameter	④Resolution MT	⑤Resolution ST	⑥Supply voltage							
XX	B: Blind hollow shaft	6: Φ6mm	14: 16384 12: 4096	12: 4096 13: 8192 14: 16384	10-30: 10-30VDC							
⑦Exit position	⑧Connection type	⑨Special code										
R: Radial direction	Figure: Cable length(m) 9212: 5-pin M12 plug CCW	XXXX										

Note: Printed in bold=standard items

Notes: 1, Turns digit and single turns digit are common datas , other diameter on request.

2, Please chose the ordering information: Extended No、 Shaft diameter、 Multiturn resolution、 Singleturn resolution、 Connection type。

3, lease contact us for further electrical parameter Settings and requirements.

Ordering example: JDCE40B6B1213S90T10-30R2, Counting direction of the factory is set to clockwise increasing.

Explanation: JDCE40B series, Blind hollow shaft 6mm, Binary, Multiturn resolution ≤4096/12Bit、 Singleturn resolution ≤8192/13Bit, CANopen, Transmission rate 125k, Supply voltage 10-30V, Radial direction 2m, ProtectionIP67.

Dimensions

JDCE40B+8121D

