



JDCE40S Series

Sensing method Magnetic
Functional principle Multiturn
Housing size $\Phi 40\text{mm}$
Solid shaft $\Phi 6\text{mm}$, $\Phi 10\text{mm}$
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	Solid shaft $\Phi 6\text{mm}$, $\Phi 10\text{mm}$
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	$\approx 180\text{g}$
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	S	6	B	12	13	S90T	10-30	R	2	/	XXXX
①	②	③	④	⑤	⑥	⑦	⑧	⑨				
①Extended No. XX	②Shaft type S: Solid shaft	③Shaft diameter 6: Φ6mm 10: Φ10mm	④Resolution MT 12: 4096 14: 16384	⑤Resolution ST 12: 4096 13: 8192 14: 16384	⑥Supply voltage 10-30: 10-30VDC	⑦Exit position R: Radial direction	⑧Connection type Figure: Cable length(m) 9212: 5-pin M12 plug CCW	⑨Special code 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: JDCE40S6B1213S90T10-30R2, Counting direction of the factory is set to clockwise increasing.

Explanation: JDCE40S series, Solid shaft 6mm, Binary, Multiturn resolution ≤4096/12Bit、 Singleturn resolution ≤8192/13Bit, CANopen, Transmission rate 125k, Supply voltage 10-30V, Radial direction 2m, ProtectionIP67。

Dimensions

JDCE40S

