



JDCM36S Series
 Absolute Encoder
 Sensing method Magnetic
 Functional principle Multiturn
 Multiturn technology Mechanical gears without batteries
 Housing size $\Phi 36.5\text{mm}$
 Solid shaft $\Phi 6\text{mm}$
 Max. Resolution 28Bit
 Steps per turn 65536/16Bit
 Number of turn 4096/12Bit
 Interface CANopen
 Supply voltage 10-30VDC
 Protection IP67

Mechanical characteristics

Shaft diameter	Solid shaft $\Phi 6\text{mm}$
Protection	IP67
Rotational speed	3000 rpm
Shaft loading	Max. $\leq 20\text{N}$ Axial; Max. $\leq 40\text{N}$ Radial
Shock resistance	100g, 6ms
Vibration resistance	10g, 10...2000Hz
Bearing life	10^9 turns
Material	Aluminium alloy
Shell material	Aluminium alloy
Operating temperature	$-40\text{ C} \dots +85\text{ C}$
Storage temperature	$-40\text{ C} \dots +85\text{ C}$
Weight	$\approx 130\text{g}$
Wiring method	Radial

Electrical characteristics

Supply voltage	10-30VDC
No-load current	$< 100\text{mA}$
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		CAN_0V	+Ub	GND	CAN_H	CAN_L
Color		GY	BN	WH	GN	YE

Ordering information

JDCM36	XX	S	6	B	12	13	S90T	10-30	R	2	/	XXXX
	①	②	③		④	⑤		⑥	⑦	⑧		⑨

① Extended No. XX	② Shaft type S: Solid shaft	③ Shaft diameter 6: Φ6mm	④ Resolution MT 12: 4096	⑤ Resolution ST 12: 4096 13: 8192 14: 16384 15: 32768 16: 65536	⑥ Supply voltage 10-30: 10-30VDC
⑦ Exit position R: Radial direction			⑧ Connection type Figure: Cable length(m)		⑨ Special 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: JDCM36S6B1213S90T10-30R2, Counting direction of the factory is set to clockwise increasing.

Explanation: JDCM36S 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

JDCM36S

