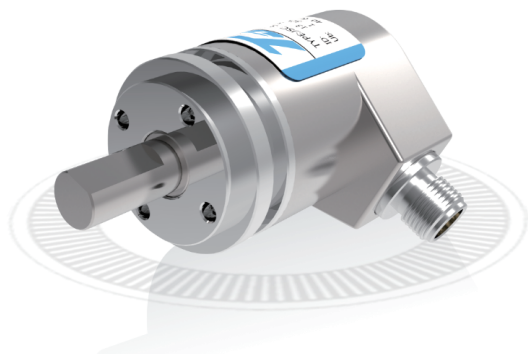




JDCM3601S Series
Absolute Encoder
Sensing method Magnetic
Functional principle Multiturn
Multiturn technology Mechanical gears without batteries
Housing size $\Phi 36.5\text{mm}$
Solid shaft $\Phi 10\text{mm}$
Max. Resolution 28Bit
Steps per turn 65536/16Bit
Number of turn 4096/12Bit
Interface CANopen
Supply voltage 10-30VDC
Protection IP67

Mechanical characteristics

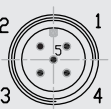
Shaft diameter	Solid shaft $\Phi 10\text{mm}$
Protection	IP67
Rotational speed	6000 rpm
Shaft loading	Max. $\leq 40\text{N}$ Axial; Max. $\leq 80\text{N}$ Radial
Shock resistance	100g, 6ms
Vibration resistance	10g, 10...2000Hz
Bearing life	10^9 turns
Material	Aluminium alloy
Shell material	Aluminium alloy
Operating temperature	$-40\text{ }^{\circ}\text{C} \dots +85\text{ }^{\circ}\text{C}$
Storage temperature	$-40\text{ }^{\circ}\text{C} \dots +85\text{ }^{\circ}\text{C}$
Weight	$\approx 185\text{g}$
Wiring method	M12 radial socket (5-pin CCW)

Electrical characteristics

Supply voltage	10-30VDC
No-load current	$< 60\text{mA}$
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
5-pin M12 Socket CCW (9212)		1	2	3	4	5

Ordering information

JDCM36	01	S	10	B	12	13	S90T	10-30	R	9212	/	XXXX
	①	②	③		④	⑤		⑥	⑦	⑧		⑨
① Extended No. XX ② Shaft type S: Solid shaft ③ Shaft diameter 10: Φ10mm ④ Resolution MT 12: 4096 ⑤ Resolution ST 12: 4096 13: 8192 14: 16384 16: 65536 ⑥ Supply voltage 10-30: 10-30VDC												
⑦ Exit position R: Radial direction ⑧ Connection type 9212: 5-pin M12 plug CCW 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: JDCM3601S10B1213S90T10-30R9212, Counting direction of the factory is set to clockwise increasing.

Explanation: JDCM3601 series, Solid shaft 10mm, Binary, Multiturn resolution ≤4096/12Bit, Singleturn resolution ≤8192/13Bit, CANopen, Transmission rate 125k, Supply voltage 10-30V, radial socket 9212.

Dimensions

JDCM3601S

