

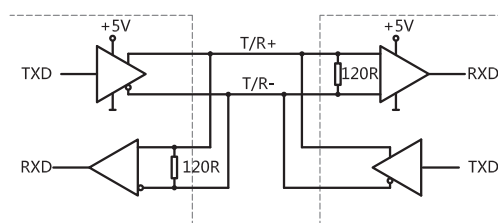


JSCS38 Series
Absolute Encoder
Sensing method Magnetic
Functional principle singleturn
Housing size $\Phi 38\text{mm}$
Solid shaft $\Phi 6\text{mm}$, Blind hollow shaft $\Phi 8\text{mm}$
Max. resolution 16384 /14bit
Interface Modbus-RTU
Supply voltage 10-30VDC
Protection IP54/IP65

Mechanical characteristics

Shaft diameter	Solid shaft $\Phi 6\text{mm}$; Blind hollow shaft $\Phi 8\text{mm}$
Protection	IP54/IP65
Rotational speed	6000 rpm
Shaft loading	Max. $\leq 25\text{N}$ Axial; Max. $\leq 50\text{N}$ Radial
Shock resistance	50g, 6ms
Vibration resistance	10g, 10...2000Hz
Bearing life	10^9 turns
Material	Aluminium alloy
Shell material	Aluminum alloy/Tensile iron shell +Black painted
Operating temperature	$-20^{\circ}\text{C} \dots +80^{\circ}\text{C}$
Storage temperature	$-30^{\circ}\text{C} \dots +85^{\circ}\text{C}$
Weight	$\approx 85\text{g}$
Wiring method	Radial direction

Electrical characteristics



Interface	Modbus-RTU
Baud rate	4800 9600 19200 38400 115200 bps
Code	Hexadecima
Address range	0-99
Data response	2ms (9600 19200 38400 115200 bps) 5ms (4800bps)
No-load current	$\leq 80\text{mA}$
Linearity	$\pm 0.5\text{LSB}$
Counting direction	Can be set(Clockwise, increasing, top-view of shaft)
External zero setting	Can be set, on-delay $> 100\text{ms}$
Anti-interference	EN61000-6-2
Emission interference	EN61000-6-4
Circuit protection	Surge protection、Reverse polarity protection、ESD protection

Terminal assignment

Modbus-RTU

Signal		GND	+Ub	Modbus-A	Modbus-B	P-SET	Set-Allow	NC	NC
Color		WH	BN	GN	YE	GY	PK	RD	BK

Ordering information

JSCS38	XX	B	6	B	13	CS64T	10-30	R	2	/	A	XXXX
①	②	③	④		⑤	⑥	⑦	⑧	⑨			
①Extended No. XX	②Shaft type S: Solid shaft B: Blind hollow shaft	③Shaft diameter B: Blind hollow shaft 8: Φ8mm S: Solid shaft 6: Φ6mm	④Resolution ST 12: 4096 13: 8192 14: 16384	⑤Supply voltage 10-30: 10-30VDC								
⑥Exit position R: Radial direction	⑦Connection type Figure: Cable length(m)	⑧Protection Null: IP54 A: IP65	⑨Special code XXXX									
Note: Printed in bold=standard items												

Notes: 1, Resolution available at a short notice (12bit,13bit,14bit) , other resolution on request.

2, Please chose the ordering information: Extended No., Shaft diameter, Singleturn resolution, Baud rate, Connection type.

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

Ordering example: JSCS38B6B12CS64T10-30R2 , Counting direction of the factory is set to clockwise increasing.

Explanation: JSCS38 series, Blind hollow shaft 6mm, Binary, Singleturn resolution ≤4096/12Bit, Modbus-RTU, Transmission rate 125k, Supply voltage 10-30V, Radial direction 2m.

Accessories (sold separately)

Note: Further stator coupling can be found in the accessories selection table.

Coupling

Model (common) : 8212 6-6

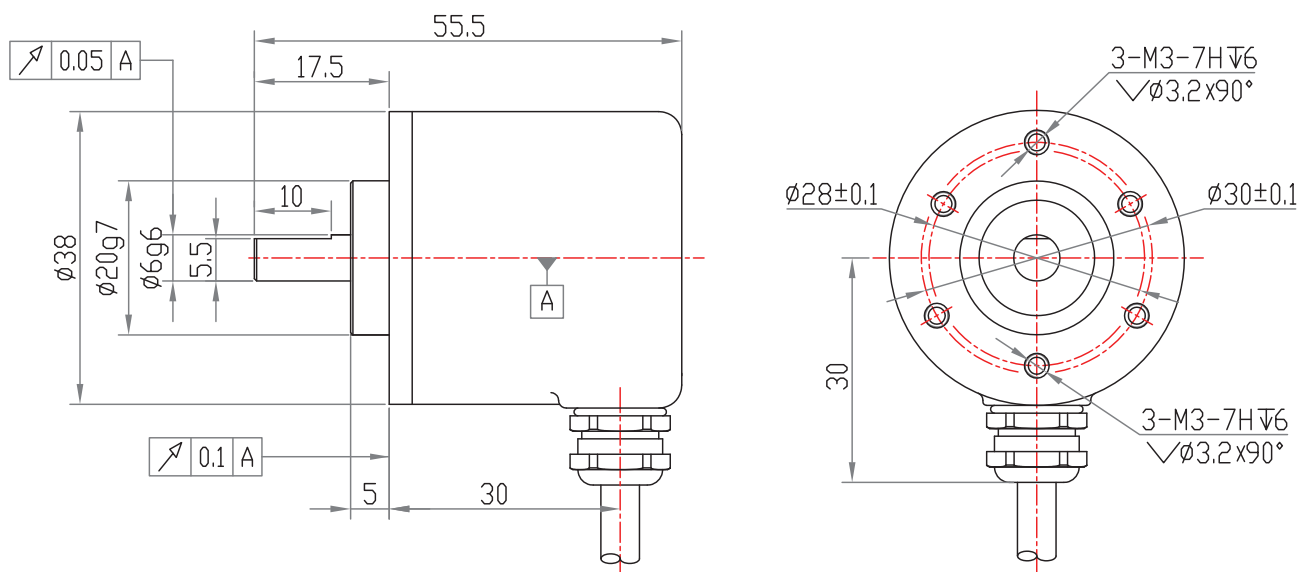
Stator coupling, double-winged

Model (common) : 8121



Dimensions

JSCS3803S



JSCS38B+8121

