

ABSOLUTE

ROTARY ENCODER

series EMP50

- Absolute encoder
- UP to 12bit output
- Operating temperature $-10^{\circ}\text{C} + 100^{\circ}\text{C}$

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft size:	8 mm
Shaft loading (axial and radial):	20 N max
Shaft rotational speed:	1000 rpm max
Bearings life:	10^9 rev. min.
Weight:	- 0.2 Kg

ELECTRICAL SPECIFICATIONS

Power supply:	5-24v DC
Protection:	against inversion of polarity
Output pulse:	CSn
(According to coding)	CLK
	DO

Digital output Resolution:	12 bit (~ 0.044 Deg)
Output type	SSI(Binary)/360(Deg)

MaxCLK	1MHZ
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MATERIALS

Flange:	Aluminum 7000
Housing:	Metal
Bearings:	608 2RS
Shaft:	stainless steel, non-magnetic



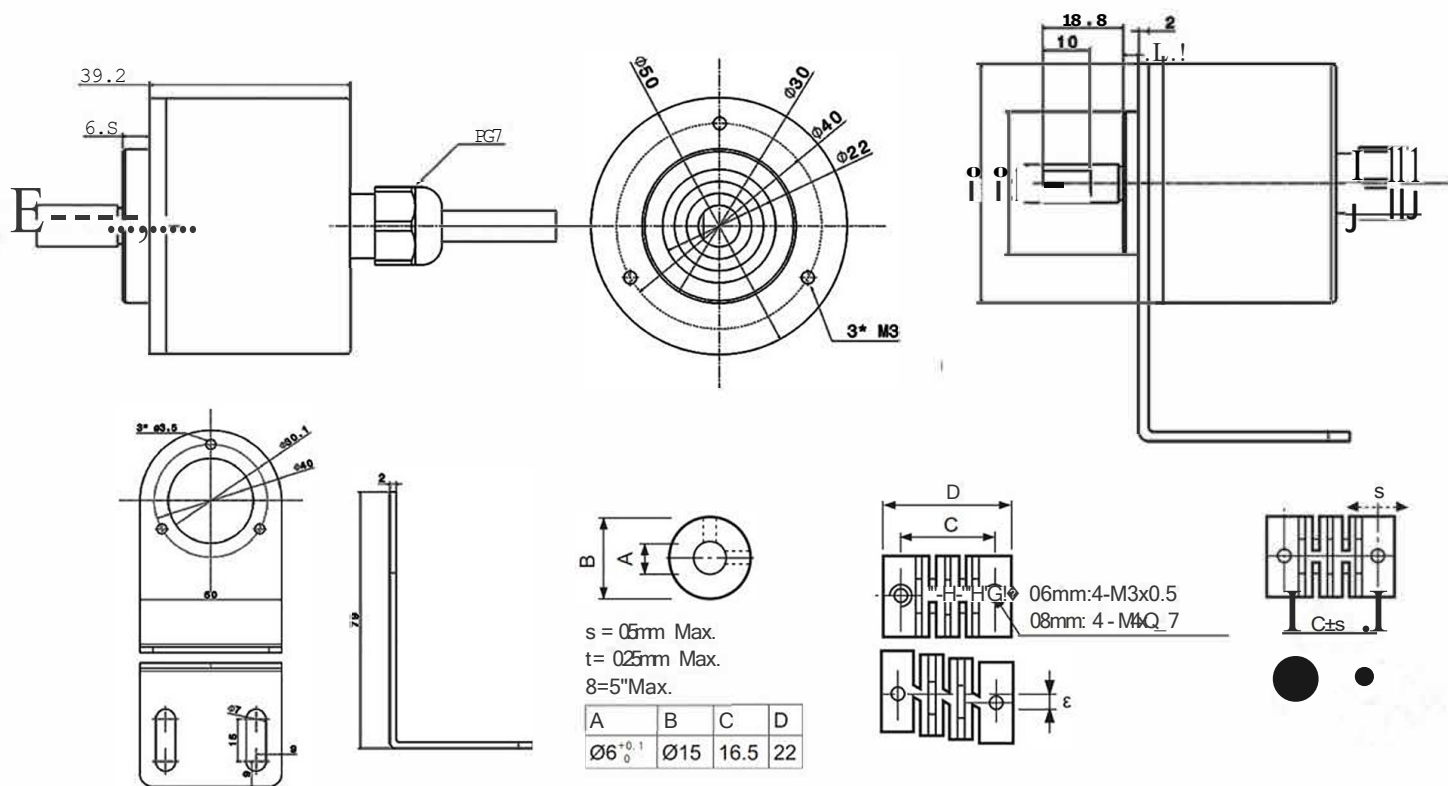
ELECTRICAL CONNECTIONS

CS:	YE
CLK:	GN
DO:	WH
RD:	V+
BK:	V-
BL:	NC
PK:	SHIELD

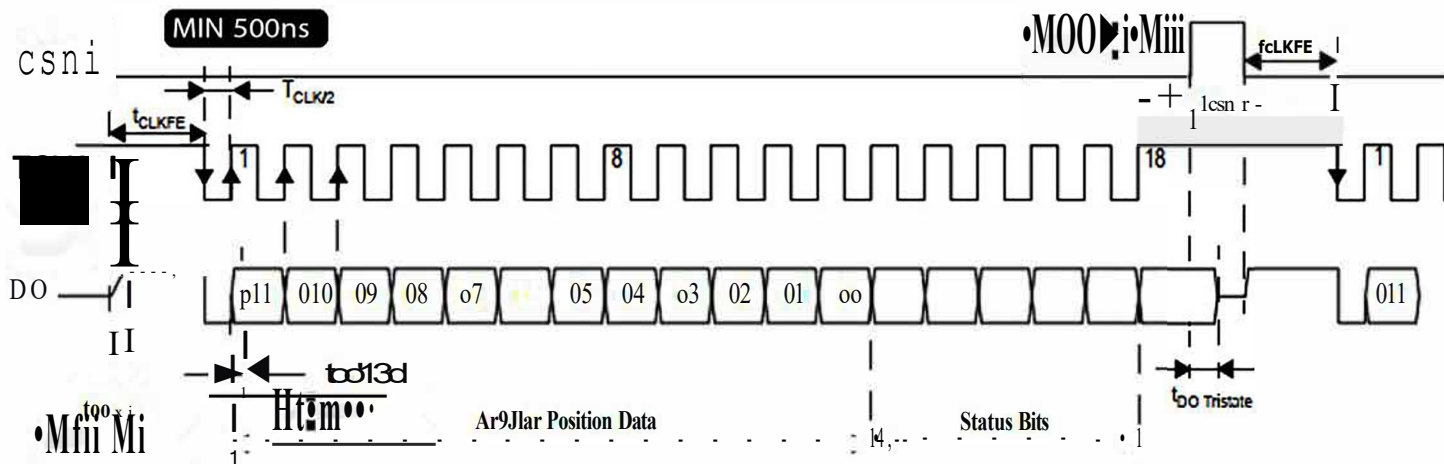
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IN-OUT SIGNAL



ORDER CODE

EMP50S8-12B-3S524