

# Digital Code Rotary Switches

## Characteristics

- Full closed structure  
Full closed, have the excellent characteristics of preventing oil and water, the Product Degree: IP65.
- Easy for wire connect  
Use the digital coding, and easy for wire connect, can be connected with the linker.
- Easy to set the numerical value  
Changing the fixing screw position to change the setting.
- Use the gold-clad contact.  
Use the double slide gold-clad contact to keep the contact resistance steady, and improve the work reliability.
- Preventing the wrong signal.  
According to the coding, can be set to INHIBIT terminal and PARITY terminal.
- Firmand reliable, the distortion distance strength is 3Nm.
- Ensure over 50,000 times operations.
- Mainly fit for choosing CNC mechanical panel's wave bands of operation mode, axial direction, rate and the percentage of speed.

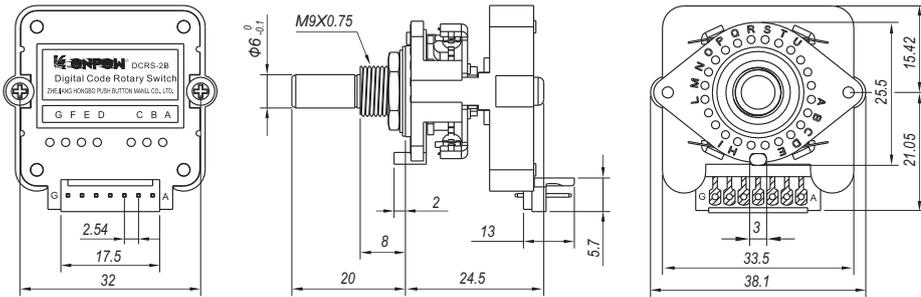
## Product Cutline



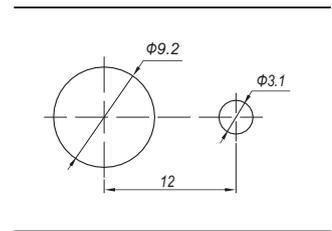
## Specifications

- Rated capacity :5VDC/0 25A 25VAC/0 5A 50VAC/0 05A
- Insulation Resistance: 500M
- Dielectric Strength :250VAC between term 1500VAC between termand frame .
- Protective Degree :IP65
- Operating Temperature :-20 ~ 70
- Storage Temperature :-40 ~ 70

## Shape & Dimensions



## Installation Dimensions



## State Setting

You can fix the setting crews to the corresponding start and end positions according to the requirements.

- 30° switching ,setting action range is 0 ~ 11

	00	01	02	03	04	05	06	07	08	09	10	11
Start Position	A	C	E	G	I	K	M	O	Q	S	U	W
End Position	C	E	G	I	K	M	O	Q	S	U	W	A

- 15° switching ,setting action range is 0 ~ 23

	00	01	02	03	04	05	06	07	08	09	10	11
Start Position	A	B	C	D	E	F	G	H	I	J	K	L
End Position	C	D	E	F	G	H	I	J	K	L	M	N
	12	13	14	15	16	17	18	19	20	21	22	23
Start Position	M	N	O	P	Q	R	S	T	U	V	W	X
End Position	O	P	Q	R	S	T	U	V	W	X	A	B

## Implication of Type

DCRS	-	/	-	
Code Number	Coding Mode: 00 point-to-point output 01 binary system 02 binary complementary system 03 binary cyclic system(Gray code) 04 binary cyclic complementary system (Gray complementary code)	Rotation angle & digit : J 15° (0 ~ 23 ) N 30° (0 ~ 11 )	Start point setting/end point setting: For example:0/23 24 position 0/11 12 position Start and end positions can be set according to the need.	Connecting mode: CS: vertical joint CB: level joint No letter means no joint.

Note: The name of coding mode and its corresponding type are different with the old version. Please choose cautiously.

**Output Code Chart**

INHIBIT: inhibition terminal; PARITY: parity check terminal;  
COMMON: common terminal; : ON operation output

DCRS-01N- / - : 30 ° ,binary

Terminals	Digitally	Setting Values(0~11)											
		0	1	2	3	4	5	6	7	8	9	10	11
A	1		●		●		●		●		●		●
F	2			●		●		●		●		●	
B	4				●		●		●		●		●
E	8					●		●		●		●	
C	PARITY		●		●		●		●		●		●
G	INHIBIT	○	○	○	○	○	○	○	○	○	○	○	○
D	COMMON	Common Terminal											

DCRS-00N- / - : 30 ° ,point-to-point output

Terminals	Digitally	Setting Values(0~6)											
		0	1	2	3	4	5	6	7	8	9	10	11
A	1		●										
F	2					●							
B	4						●						
E	8							●					
C	PARITY								●				
G	INHIBIT												
D	COMMON	Common Terminal											

DCRS-02N- / - : 30 ° , binary complementary

Terminals	Digitally	Setting Values(0~11)											
		0	1	2	3	4	5	6	7	8	9	10	11
A	1	●		●		●		●		●		●	
F	2	●	●			●	●			●	●		
B	4	●	●	●	●					●	●	●	●
E	8	●	●	●	●	●	●	●	●				
C	PARITY	●	●			●		●	●				●
G	INHIBIT	○	○	○	○	○	○	○	○	○	○	○	○
D	COMMON	Common Terminal											

DCRS-01J- / - : 15 ° , binary

Terminals	Digitally	Setting Values(0~23)																							
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	1		●		●		●		●		●		●		●		●		●		●		●		●
F	2			●		●		●		●		●		●		●		●		●		●		●	
B	4				●		●		●		●		●		●		●		●		●		●		●
E	8					●		●		●		●		●		●		●		●		●		●	
C	PARITY		●		●		●		●		●		●		●		●		●		●		●		●
G	INHIBIT	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
D	COMMON	Common Terminal																							

DCRS-02J- / - : 15 ° , binary complementary

Terminals	Digitally	Setting Values(0~23)																							
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	1	●		●		●		●		●		●		●		●		●		●		●		●	
F	2	●	●			●	●			●	●			●	●			●	●			●	●		
B	4	●	●	●	●			●	●	●	●			●	●	●	●			●	●	●	●		
E	8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C	PARITY	●	●			●		●		●		●		●		●		●		●		●		●	
G	INHIBIT	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
D	COMMON	Common Terminal																							

DCRS-03J- / - : 15 ° , binary cyclic (Gray code)

Terminals	Digitally	Setting Values(0~23)																							
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	1		●		●		●		●		●		●		●		●		●		●		●		●
F	2			●		●		●		●		●		●		●		●		●		●		●	
B	4				●		●		●		●		●		●		●		●		●		●		●
E	8					●		●		●		●		●		●		●		●		●		●	
C	PARITY		●		●		●		●		●		●		●		●		●		●		●		●
G	INHIBIT	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
D	COMMON	Common Terminal																							

DCRS-04J- / - : 15 ° , binary cyclic complementary(Gray complementary code)

Terminals	Digitally	Setting Values(0~23)																							
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	1		●		●		●		●		●		●		●		●		●		●		●		●
F	2			●		●		●		●		●		●		●		●		●		●		●	
B	4				●		●		●		●		●		●		●		●		●		●		●
E	8					●		●		●		●		●		●		●		●		●		●	
C	PARITY		●		●		●		●		●		●		●		●		●		●		●		●
G	INHIBIT	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
D	COMMON	Common Terminal																							

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