Digital Code Rotary Switches

Characteristics

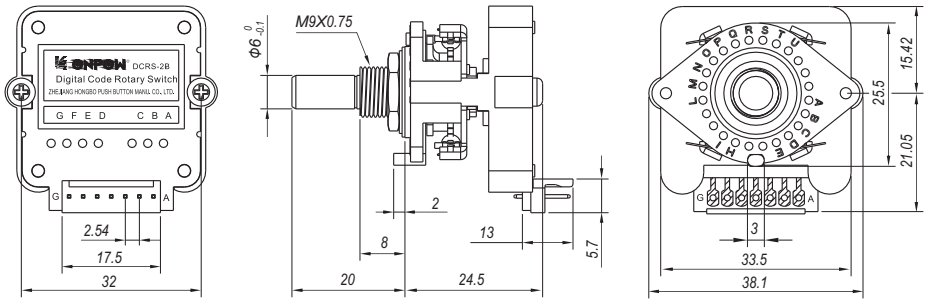
- Full closed structure
  Full closed, have the excellent characteristics of preventing oil and water, the Product Degree: IP65.
- Easy for wire connect
  Use the digital coding, and easy for wire connect, can be connected with the linker.
- Easy to set the numerical value
  Changing the fixing screw 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

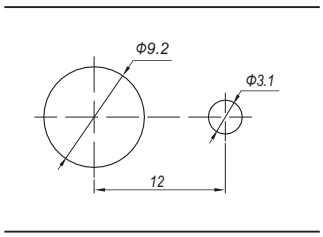
Specifications

- Rated capacity :5VDC/0 25A ,25VAC/0 5A ,50VAC/0 05A
- Insulation Resistance: ≥500MΩ
- 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 &igit : 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	Setting Values(0~6)											
	0	1	2	3	4	5	6	7	8	9	10	11
A		●										
F						●						
B			●									
E					●							
C				●								
G							●					
D	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																							