

# FEATURES

- Outline dimension (50mm×13mm×24mm)
- Multi contact arrangements: 4NO+2NC
- Forcibly Guided contacts according to IEC61810-3
- Designed to meet cULus,TUV,CQC requirements
- Flux-tight and Wash-tight version available
- High insulation capability(1.2/50µs):10kV surge voltage between coil & contacts and 5kV between contact sets
- RoHS compliance
- Glow wire type available

## APPLICATION

Emergency shut-off, press control, machine control, safety doors, elevator and escalator control...



# COIL PARAMETER

	Coil voltage	6-48VDC
	Coil power	500mW

## COIL DATA @23℃

CHSR6 type ( at 23°C)					
Nominal coil voltage ( VDC )	Nominal Current ( mA )	Coil Resistance (Ω±10%)	Operate Voltage ( VDC )	Release Voltage ( VDC )	
6	83	72	≤4.5	≥0.3	
9	56	162	≤6.8	≥0.45	
12	42	288	≤9.0	≥0.6	
18	28	648	≤13.5	≥0.9	
24	21	1152	≤18.0	≥1.2	
36	14	2592	≤27.0	≥1.8	
48	10.4	4608	≤36.0	≥2.4	

### Note:

1) The data shown above are initial values.

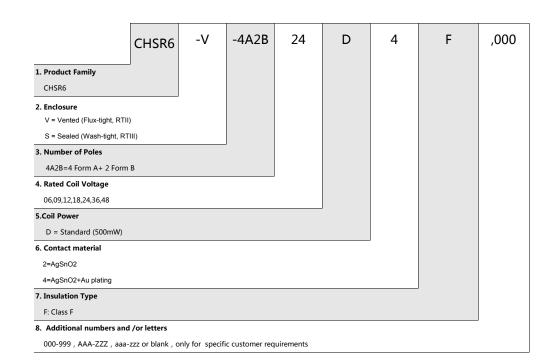
## CONTACT DATA

Contact arrangement	4NO+2NC: 4 Form A & 2 Form B		
Contact material	Ag Alloy		
Initial contact resistance	100mΩ max.(at 6VDC,1A)		
Max. switching voltage	250VAC/30VDC		
Max. switching current	6A		
Max. switching power	1500VA/180W		
	NO	6A @250VAC	
Contact rating	NO	6A @ 30VDC	
	NC	6A @250VAC	
		6A @ 30VDC	
Mechanical endurance	1,000,000 ops Min.(no load)		
Electrical endurance (Resistive Load)	1NO: 6A 250VAC,100,000 ops		
Electrical endurance (Resistive Load)	1NC: 6A 250VAC,50,000 ops		
Minimum load (reference value)	100mA @5VDC		

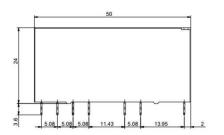
# CHARACTERISTICS

Operate voltage		75% of nominal voltage or less		
Release voltage		5% of nominal voltage or more		
Operate time (At	nominal voltage)	20ms max.		
Release time(At n	ominal voltage)	20ms max.		
Insulation resistar	nce	1,000 MΩ min. (at 500 VDC)		
	Between coil and contacts	4,000 VAC, 50/60Hz for 1 min		
Dielectric	Between open contacts	1,500 VAC, 50/60Hz for 1 min		
strength	Between contacts sets	2,500 VAC, 50/60Hz for 1 min(11-12/13-14) 4,000 VAC, 50/60Hz for 1 min(others)		
Surge voltage between coil and contacts		10,000V(1.2/50us)		
	Destruction	10Hz~ 55Hz. , 1.5mm double amplitude		
Vibration resistance	Malfunction	NO : 55Hz~200Hz. , 98m/S <sup>2</sup>		
	Manufiction	NC: 55Hz~200Hz., 49m/S <sup>2</sup>		
Shock resistance	Destruction	980m/S <sup>2</sup>		
SHOCK resistance	Malfunction	98m/S <sup>2</sup>		
Ambient tempera	ture	-40~+85°C (without icing or condensation)		
Ambient humidity	1	5%~85% RH		
Termination		PCB terminals		
Enclosure		V: Vented(Flux-tight, RTII)		
(94V-0 Flammabi	lity Ratings)	S: Sealed(Wash-tight, RTIII)		
Unit Weight(g)		Approx. 23g		

# ORDERING INFORMATION

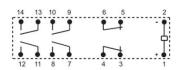


# OUTLINE DIMENSION

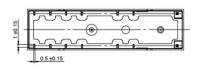




# WIRING DIAGRAMS (BOTTOM VIEWS)

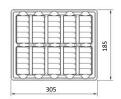


## PC BOARD LAYOUTS (BOTTOM VIEWS)

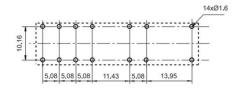


# PACKAGING FIGURE

Box (50 pcs inside a box; 500 pcs inside a carton)



### Disclaimer :



### Remark:

- 1) The reference tolerance in outline dimension:
  - outline dimension  $\leq$  1mm, reference tolerance is ±0.2mm;
  - outline dimension >1mm and  $\leqslant$ 5mm, reference tolerance is ±0.3mm;
  - outline dimension >5mm, reference tolerance is  $\pm 0.5$ mm.
- 2) The reference tolerance for PC Board layout is ±0.1mm.

The specification is for reference only,if you need more detail information, please contact Churod. We could not evaluate all the performance and all parameters for every possible application. And the user should be in a right position to choose the suitable product for their own application. If there is any new need, please contact Churod for the technical service.

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