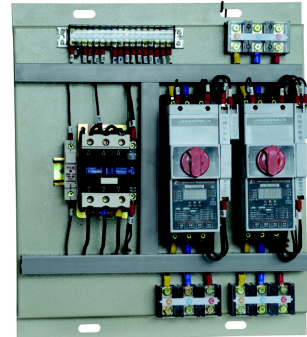
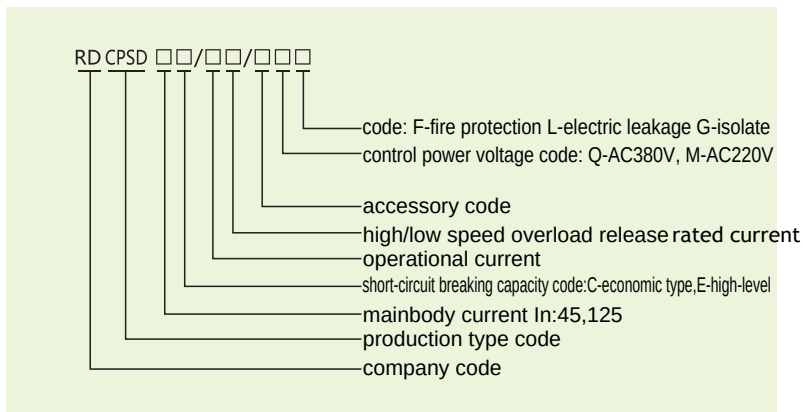


► Application

RDCPS(KB0) series D type controller, is mainly applied to power system of AC50Hz, rated operational voltage up to 400V, rated current from 1A to 125A, control motor power from 0.05kW up to 50kW, to realize the speed control and protection against overload, phase-loss, overcurrent, short-circuit for double-speed motor.



► Model No.



► Normal operation condition

3.1 Ambient temperature: MAX +40°C, MIN -5°C. Average daily temperature: +35°C

3.2 Altitude: 2000m

3.3 Humidity: Max 50% at +40°C. the higher humidity can be accepted under the lower temperature, like Max 90% at +20°C. And the condensation caused by temperature change should be taken care.

3.4 Pollution level: 3 level

3.5 Installation type: install type is related with rated operational voltage, Install type of Main circuit under 380V is IV, Install type of Main circuit and control circuit under 690V is IV, alarm circuit installation is II.

3.6 Install method: Angle between Install plane and vertical plane should not exceed 5°.

3.7 Install type: install bottom board with 4xM6 screw.

► Main technical parameter

Table1 technical index

shell code			C		D	
rated insulation voltage Ui V			690			
rated operation voltage Ue V			380		660	
conventional heating current Ith A			45		125	
main rated current In A			12、16、32、45		45、63、100、125	
rated control power peKW			5.5、7.5、15、22		22、30、45、55	
connecting and breaking capacity			10Ie 按GB14048.4			
rated operational short-circuit breaking capacity Ics kA	ratd operational voltage Ue V	380	C:35	Y:50	C:35 Y:50 H:80	
		690	4		10	
380		0.25 ~ 45		13 ~ 125		
690						
overload release tripping current			P:15Ie M:16 ~ 12Ie			
short-circuit release tripping current			≥16In			
AC-3 electrical life			600,000			
mechanical life			5,000,000			

4.2 rated operation method

4.2.1 8-hour working

4.2.2 uninterrupted duty

4.2.3 intermittent duty: CPD loading factor is 40% under this work system, with thermal release,the operational frequency is 12 time one hour.

4.3 CPD contactor and control power voltage is 85% rated value,it can closed reliably in 85% U_s to 110% U_s .release voltage is 20% U_s (AC) or 10% U_s (DC) rated control power voltage

4.4 for motor control(using type:AC-42,AC-43,AC-44),see Table2

Table2

NO.	setting current(I_{s1}) multiply	conventional time about I_e	basic temperature C
1	1.05	2h no tripping	+20°C
2	1.2	2h tripping	
3	1.5	$I_e \leq 63A$: 2mintripping $I_e > 63A$: 4mintripping	
4	7.2	$I_e \leq 63A$: 2 ~ 10s tripping $I_e > 63A$: 4 ~ 10s tripping	
5	2p 1.0,1p 0.9	No tripping in 2Hours	
6	phase-loss 2p 1.15,1p 0	tripping in 2Hours	

► shape and install dimension

5.1 C-shell CPD series double-speed controller see Fig1

5.2 D-shell CPD series double-speed controller see Fig2

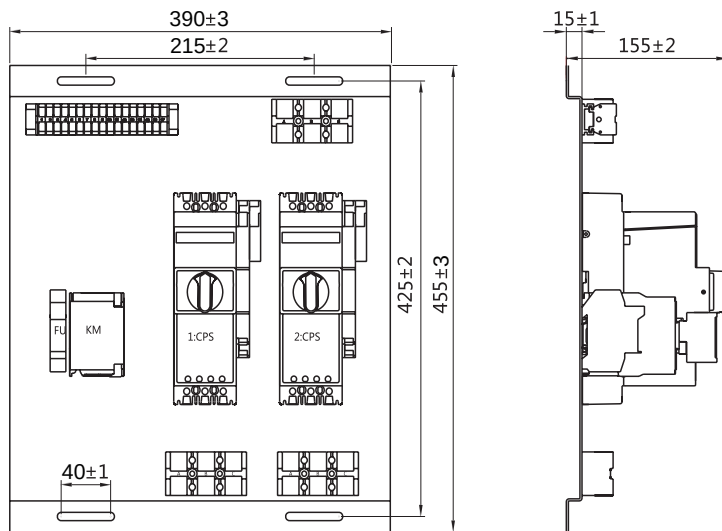


Fig1

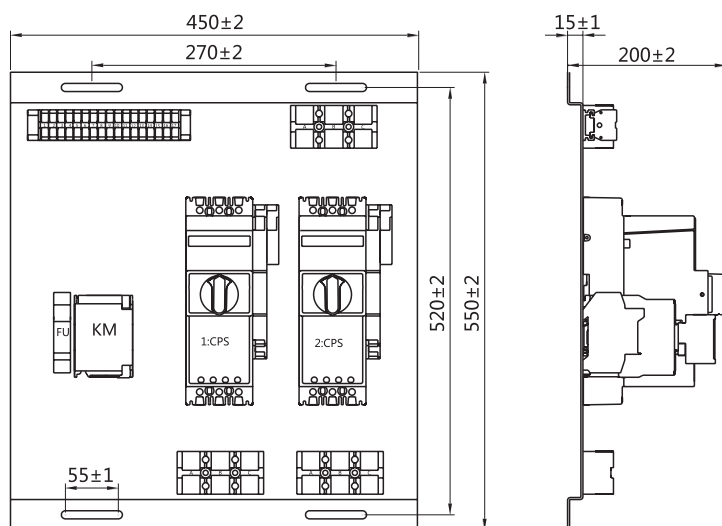


Fig2