

## RDCPS-F Fire-Fighting Type

### Summary And Application



Firefighting type control and protection switching device adopt fully new design concept, by specialized firefighting type digital controller to coordinate with other module to achieve “ Fault No Trip” unique function.

RDCPS-F firefighting type CPS integrated the functions of fuse, circuit breaker, contactor, starter, isolator, thermal relay, overload (or over current, phase missing) protection relay, motor protector, intelligent leakage circuit breaker(relay) etc. low voltage appliance together, is a multi-function firefighting electrical appliance, also have characteristics of remote control and local control, auto and manual control, panel indication, fault inquiry, flexible setting etc. Its max. rated current 125A, maximum breaking capacity up to 80KA, to achieve in firefighting system the specified function of “only alarm, no tripping” when overload, overcurrent and “both alarm and trip” function when short circuit .

Main data same as basic type product.

RDCPS-F firefighting type CPS mainly apply to the firefighting system with AC 50/60Hz, rated voltage to 690V, rated current 0.4 to 125A, can making and withstand normal condition current including specified current under overload, overcurrent condition, to achieve “only alarm no trip” function; And also can making, withstand and breaking current under abnormal condition (such as short circuit current), to achieve “ Both alarm and trip” unique function.

### Notes

- Under normal condition, the rotation handle on the panel can used directly to control main circuit making and breaking
- When happened with overload, overcurrent, phase missing, and three phase unbalance faulty, 95, 98 passive firefighting alarm contact closed, to connect the external alarm or other device, to remind the operator on duty to examine the faulty circuit, RDCPS-F product operating mechanism rotation handle keep at ON position and no trip, main circuit no breaking; at this time, can use external connected stop button or rotation handle to break the main circuit. After the faulty is cleared up, then must reset or recovered.
- RDCPS-F product when short circuit happened, 05,08 send out alarm signal, operating mechanism at Trip position, main circuit break. After the faulty is cleared up, then must reset or recovered.
- Special remind: firefighting type product when circuit faulty happened, firefighting passive alarm contact 95,98 closed to connect the external alarm circuit, to remove the alarm signal have to rotating the handle to Trip position or through external stop button to cutoff the power, continue to use should rotating to ON position again.

### Outline And Mounting Size(mm) (Same As Basic Type)

Detailed size please refer to page 145