

R contactors for DC circuit switching

4

Rated operational voltage

U_e up to **1500 V DC**



Contactor type				IORR63..CC	IORR125..CC	IORR200..CC	IORR400..CC	IORR500..CC
Number of poles in series	Categories	U _e max.						
1 pole	DC-1	500 V DC	I _e	85 A	170 A	275 A	400 A	550 A
	DC-3 / DC-5	500 V DC	I _e	68 A	125 A	205 A	350 A	500 A
2 poles	DC-1	1000 V DC	I _e	85 A	170 A	275 A	400 A*	550 A*
	DC-3 / DC-5	1000 V DC	I _e	68 A	125 A	205 A	350 A	500 A
3 poles	DC-1	1500 V DC	I _e	85 A*	170 A*	275 A*	400 A*	550 A*
	DC-3 / DC-5	1500 V DC	I _e	68 A*	125 A*	205 A*	350 A*	500 A*

* U_e max. = 1500 V DC, version with increased insulation for 1000 V DC < U_e ≤ 1500 V DC, please consult us.

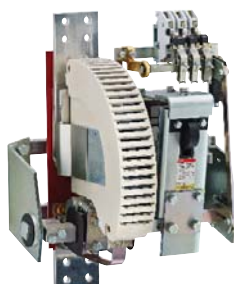
*120 V 60Hz coil and 2 N.O. + 2 N.C. auxiliary contacts as standard

Contactors

UL / CSA approved 

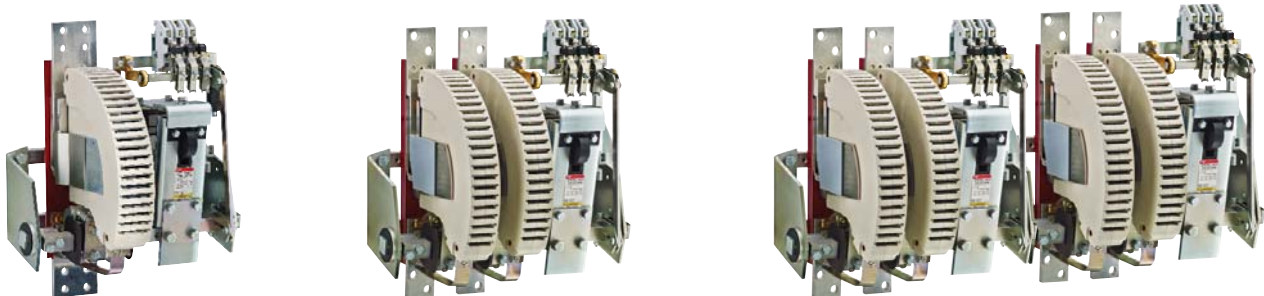
Rated operational voltage

U_e up to **600 V DC**



Contactor type				IORR800-10-CC	IORR1000-10-CC	IORR1400-10-CC	IORR1700-10-CC	IORR2100-10-CC
		U max.						
1 pole	General use	600 V DC	I _e	800 A	1000 A	1300 A	1700 A	2000 A

*120 V 60Hz coil and 2 N.O. + 2 N.C. auxiliary contacts as standard

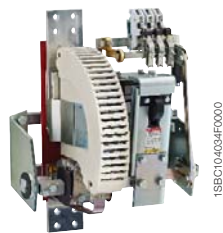


	IORR800..CC	IORR1000..CC	IORR1400..CC	IORR1700..CC	IORR2100..CC	IORR2500..CC	IORR3200..CC	IORR3800..CC	IORR4500..CC	IORR5100..CC
Ue max.										
750 V DC	800 A	1000 A	1250 A	1600 A	2000 A	2300 A	3200 A	3800 A	4500 A	5000 A
600 V DC	720 A	1000 A	1250 A	1600 A	2000 A	On request	On request	On request	On request	On request
1500 V DC	800 A	1000 A	1250 A	1600 A	2000 A	2300 A	3200 A	3800 A	4500 A	5000 A
1000 V DC	720 A	1000 A	1250 A	1600 A	2000 A	On request	On request	On request	On request	On request
1500 V DC	800 A	1000 A	1250 A	1600 A	2000 A	2300 A	3200 A	3800 A	4500 A	5000 A
1500 V DC	720 A	1000 A	1250 A	1600 A	2000 A	On request	On request	On request	On request	On request

IORR..CC contactors

Power circuit up to 1500 V DC

Control circuit 120V 50/60 Hz



IORR800-10-CC

Description

IORR..CC contactors are used for controlling DC power circuits up to 1500 V DC.

These contactors are designed with:

- variable number of poles according to the application
- control circuit: AC operated
- 2 NO + 2 NC auxiliary contacts available, as standard

Blowout in DC circuit switching

If the breaking current is lower than 50 % of the contactor rating, permanent magnet must be added, see blowout code table.

Ordering details

IEC		DC-3 / DC-5		Number of poles	Rated control circuit voltage U _c (1) V 50/60 Hz	Auxiliary contacts fitted (2)	Type	Order code	Weight pkg (1 pce) kg
DC-1 Rated operational current	Rated operational voltage (3)	Rated operational current	Rated operational voltage (3)						
A	V DC	A	V DC						
85	500	68	500	1	120V	2 2	IORR63-10-CC	FPL7116116R2113	3.2
	1000		1000	2		2 2	IORR63-20-CC	FPL7116216R2113	4.2
	1500		1500	3		2 2	IORR63-30-CC	On request	5.2
170	500	125	500	1	120V	2 2	IORR125-10-CC	FPL7416115R2113	4.2
	1000		1000	2		2 2	IORR125-20-CC	FPL7416215R2113	6.2
	1500		1500	3		2 2	IORR125-30-CC	On request	8.2
275	500	205	500	1	120V	2 2	IORR200-10-CC	FPL7616115R2113	6.6
	1000		1000	2		2 2	IORR200-20-CC	FPL7616215R2113	9.6
	1500		1500	3		2 2	IORR200-30-CC	On request	12.6
400	500	350	500	1	120V	2 2	IORR400-10-CC	FPL9416115R2113	13.9
	1000		1000	2		2 2	IORR400-20-CC	FPL9416215R2113	19.7
	1500		1500	3		2 2	IORR400-30-CC	On request	25.5
550	500	500	500	1	120V	2 2	IORR500-10-CC	FPL8316115R2113	13.9
	1000		1000	2		2 2	IORR500-20-CC	FPL8316215R2113	19.7
	1500		1500	3		2 2	IORR500-30-CC	On request	25.5
800	750	720	600	1	120V	2 2	IORR800-10-CC-U	FPL8616195R2113	30
	1500		1000	2		2 2	IORR800-20-CC	FPL8616215R2113	40
	-		1500	3		2 2	IORR800-30-CC	FPL8616315R2113	51
1000	750	1000	600	1	120V	2 2	IORR1000-10-CC-U	FPL8716195R2113	31
	1500		1000	2		2 2	IORR1000-20-CC	FPL8716215R2113	42
	-		1500	3		2 2	IORR1000-30-CC	FPL8716315R2113	50
1250	750	1250	600	1	120V	2 2	IORR1400-10-CC-U	FPL6616195R2113	32
	1500		1000	2		2 2	IORR1400-20-CC	FPL6116215R2113	42
	-		1500	3		2 2	IORR1400-30-CC	FPL6116315R2113	52
1600	750	1600	600	1	120V	2 2	IORR1700-10-CC-U	FPL6216195R2113	34
	1500		1000	2		2 2	IORR1700-20-CC	FPL6216215R2113	47
	-		1500	3		2 2	IORR1700-30-CC	FPL6216315R2113	61
2000	750	2000	600	1	120V	2 2	IORR2100-10-CC-U	FPL6316195R2113	37
	1500		1000	2		2 2	IORR2100-20-CC	FPL6316215R2113	52
	-		1500	3		2 2	IORR2100-30-CC	FPL6316315R2113	68
2300	750	On request	On request	1	120V	2 2	IORR2500-10-CC	FPL6716115R2113	45
	1500			2		2 2	IORR2500-20-CC	FPL6716215R2113	71
	-			3		2 2	IORR2500-30-CC	FPL6716315R2113	On request
3200	750	On request	On request	1	120V	2 2	IORR3200-10-CC	FPL6516115R2113	52
	1500			2		2 2	IORR3200-20-CC	FPL6516215R2113	83
	-			3		2 2	IORR3200-30-CC	FPL6516315R2113	On request
3800	750	On request	On request	1	120V	2 2	IORR3800-10-CC	FPL6616115R2113	58
	1500			2		2 2	IORR3800-20-CC	FPL6616215R2113	95
	-			3		2 2	IORR3800-30-CC	FPL6616001R2113	On request
4500	750	On request	On request	1	120V	2 2	IORR4500-10-CC	FPL6816115R2113	On request
	1500			2		2 2	IORR4500-20-CC	FPL6816215R2113	
	-			3		2 2	IORR4500-30-CC	FPL6816001R2113	
5000	750	On request	On request	1	120V	2 2	IORR5100-10-CC	FPL6916115R2113	On request
	1500			2		2 2	IORR5100-20-CC	FPL6916002R2113	
	-			3		2 2	IORR5100-30-CC	FPL6916001R2113	

(1) Other control voltages, please consult us.

(2) Other auxiliary contact arrangements, please consult us.

(3) Power circuit above 1500 V DC, please consult us.