

Power circuit coupling LOR couplers



Description

LOR couplers are built without blowout coil and arc chutes. They are not suitable for breaking on-load at voltages above 24 V AC or DC.

- AC switching up to 1000 V AC
- DC switching up to:
 - 1000 V DC for R85 ... R550
 - 1500 V DC for R800 ... R5100

For other voltages, please consult us.

2 NO + 2 NC auxiliary contacts are fitted as standard. For additional auxiliary contact, refer to "Auxiliary contact fitting details".

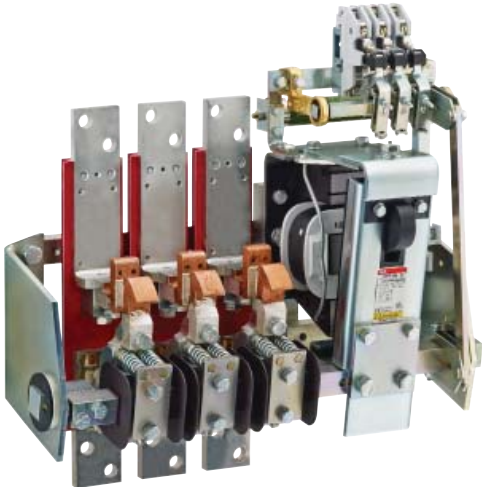
Example of use

- Automatic short-circuiting of the starting resistances of a slip-ring or DC motors without the possibility of opening on-load
- Electrolytic installations and electro-plating plants
- Induction furnaces (please consult us).

Other variants:

Please consult us for:

- LOR couplers with N.C. poles
- LOR..AMA and LOR..AME couplers with latching.



LORR couplers

Power circuit up to 1000 V AC or 1500 V DC

Control circuit 120V 50/60 Hz



LORR550-20

Description

LORR are used for controlling:

- AC power circuits up to 1000 V AC
- DC power circuits up to:
 - 1000 V DC for ratings 85...550 A
 - 1500 V DC for ratings 800...5100 A

They are not suitable for breaking on-load at voltages above 24 V AC or 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.

Ordering details

Conventional thermal current I _{th} (θ ≤ 40 °C)	Rated operational voltage		Number of poles 1 2 3 4	Rated control circuit voltage U _c (1) V 50/60 Hz	Auxiliary contacts fitted (2) 1 2 1 2	Type	Order code	Weight pkg (1 pce) kg
	V AC	V DC (3)						
90	1000	1000	1	120V	2 2	LORR85-10	FPL7235110R2113	2.6
			2		2 2	LORR85-20	FPL7235210R2113	3
			3		2 2	LORR85-30	FPL7235310R2113	3.4
			4		2 2	LORR85-40	FPL7235410R2113	3.8
185	1000	1000	1	120V	2 2	LORR170-10	FPL7535110R2113	3.2
			2		2 2	LORR170-20	FPL7535210R2113	4.1
			3		2 2	LORR170-30	FPL7535310R2113	5
			4		2 2	LORR170-40	FPL7535410R2113	5.9
300	1000	1000	1	120V	2 2	LORR260-10	FPL7835110R2113	4.7
			2		2 2	LORR260-20	FPL7835210R2113	5.9
			3		2 2	LORR260-30	FPL7835310R2113	7.1
			4		2 2	LORR260-40	FPL7835410R2113	8.3
420	1000	1000	1	120V	2 2	LORR400-10	FPL9435110R2113	11.4
			2		2 2	LORR400-20	FPL9435210R2113	14.7
			3		2 2	LORR400-30	FPL9435310R2113	18
			4		2 2	LORR400-40	FPL9435410R2113	21.3
630	1000	1000	1	120V	2 2	LORR550-10	FPL8435110R2113	11.4
			2		2 2	LORR550-20	FPL8435210R2113	14.7
			3		2 2	LORR550-30	FPL8435310R2113	18
			4		2 2	LORR550-40	FPL8435410R2113	21.3
1100	1000	1000	1	120V	2 2	LORR800-10	FPL8635110R2113	29
		1500	2		2 2	LORR800-20	FPL8635210R2113	34
		1500	3		2 2	LORR800-30	FPL8635310R2113	42
		1500	4		2 2	LORR800-40	FPL8635410R2113	54
1400	1000	1000	1	120V	2 2	LORR1400-10	FPL6135110R2113	30
		1500	2		2 2	LORR1400-20	FPL6135210R2113	36
		1500	3		2 2	LORR1400-30	FPL6135310R2113	44
		1500	4		2 2	LORR1400-40	FPL6135410R2113	56
1700	1000	1000	1	120V	2 2	LORR1700-10	FPL6235110R2113	34
		1500	2		2 2	LORR1700-20	FPL6235210R2113	42
		1500	3		2 2	LORR1700-30	FPL6235310R2113	50
		1500	4		2 2	LORR1700-40	FPL6235410R2113	66
2100	1000	1000	1	120V	2 2	LORR2100-10	FPL6335110R2113	36
		1500	2		2 2	LORR2100-20	FPL6335210R2113	44
		1500	3		2 2	LORR2100-30	FPL6335310R2113	52
		1500	4		2 2	LORR2100-40	FPL6335410R2113	68
2500	1000	1000	1	120V	2 2	LORR2500-10	FPL6735110R2113	On request
		1500	2		2 2	LORR2500-20	FPL6735210R2113	
		1500	3		2 2	LORR2500-30	FPL6735310R2113	
		1500	4		2 2	LORR2500-40	FPL6735410R2113	
3200	1000	1000	1	120V	2 2	LORR3200-10	FPL6535110R2113	On request
		1500	2		2 2	LORR3200-20	FPL6535210R2113	
		1500	3		2 2	LORR3200-30	FPL6535310R2113	
		1500	4		2 2	LORR3200-40	FPL6535001R2113	
3800	1000	1000	1	120V	2 2	LORR3800-10	FPL6635110R2113	On request
		1500	2		2 2	LORR3800-20	FPL6635210R2113	
		1500	3		2 2	LORR3800-30	FPL6635002R2113	
		1500	4		2 2	LORR3800-40	FPL6635003R2113	
4500	1000	1000	1	120V	2 2	LORR4500-10	FPL6835110R2113	On request
		1500	2		2 2	LORR4500-20	FPL6835210R2113	
		1500	3		2 2	LORR4500-30	FPL6835001R2113	
5100	1000	1000	1	120V	2 2	LORR5100-10	FPL6935110R2113	On request
		1500	2		2 2	LORR5100-20	FPL6935001R2113	

(1) Other control voltages, please consult us.

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

(3) Please consult us for power circuit above 1000 V AC or 1500 V DC.