

filtered power supplies

open type single phase (continued)

■ Circuit protection (double pole MCB)

Single phase		Input 230/400 V ±15 V			
U I	Protection	12 V		24 V	
		Internal	External	Internal	External
0.5 A	Power supply			0470 20	
	MCB/Fuse			T 0.5 A L ¹	4091 95 (1 A)
1 A	Power supply	0470 01		0470 21	
	MCB/Fuse	T 1 A L ¹	4091 95 (1 A)	T 1 A L ¹	4091 95 (1 A)
2.5 A	Power supply	0470 02		0470 22	
	MCB/Fuse	T 2.5 A L ¹	4091 97 (3 A)	T 2.5 A L ¹	4091 97 (3 A)
5 A	Power supply	0470 03		0470 23	
	MCB/Fuse	T 5 A L ¹	4091 99 (6 A)	T 5 A L ¹	4091 99 (16 A)
10 A	Power supply	0470 04		0470 24	
	MCB/Fuse	T 10 A L ¹	4092 00 (10 A)	T 10 A L ¹	4092 00 (10 A)
15 A	Power supply			0470 25	
	MCB/Fuse				4092 02 (16 A)

1 : T type fuse is a time delay fuse (5 x 20 mm)

■ Primary fuse protection required for UL conformity

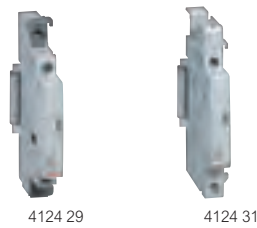
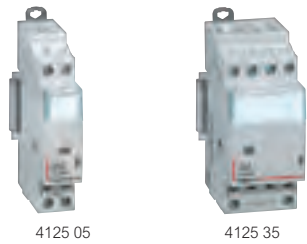
Supply 230 V : Use 250 V time delay HRC fuse
UL Category Code JDYX2

Supply 400 V : Use 500 V time delay HRC fuse
UL Category Code JDYX

Secondary voltage	12 V		24 V	
Primary voltage	230 V ~	400 V ~	230 V ~	400 V ~
Power supply			0470 20	
Fuse rating			0.315 A T	2/10 A
Power supply	0470 01		0470 21	
Fuse rating	0.315 A	2/10 A	0.4 A	2/10 A
Power supply	0470 02		0470 22	
Fuse rating	0.8 A	4/10 A	1 A	6/10 A
Power supply	0470 03		0470 23	
Fuse rating	1.6 A	8/10 A	2 A	1 A
Power supply	0470 04		0470 24	
Fuse rating	3.15 A	1 ¹ / ₂ A	4 A	2 ¹ / ₄ A
Power supply			0470 25	
Fuse rating			6.3 A	3 A

■ Electrical characteristics

Cat. Nos.	Voltage (V)	Current rating (A)	Weight (Kg)	Input under load 230 V (A)	Input under load 400 V (A)	Operating voltage				No-load loss (W)	Total loss at nominal load 100 % (W)	Voltage drop (%)
						No-load (V)	Underload (V)	With 100 mA load and input voltage +10%	With nominal load input voltage -15%			
Output 12 V												
0470 01	12	1	1	0.12	0.06	14.4	11.7	15.5	10.3	4.4	7.3	23.5
0470 02	12	2.5	2.45	0.33	0.19	13.9	11.6	15.2	10.2	8.3	11.9	19.4
0470 03	12	5	3.6	0.60	0.34	14.1	12.1	15.5	10.5	11.4	17.1	17.2
0470 04	12	10	6.35	1.24	0.72	14.7	11.8	16.1	10.4	20.2	33.7	24.7
Output 24 V												
0470 20	24	0.5	1	0.12	0.06	27.6	22.9	29.4	20.1	4.4	7.3	20.66
0470 21	24	1	1	0.18	0.10	29.0	22.8	31.2	20.2	4.4	10.3	27.03
0470 22	24	2.5	2.45	0.47	0.27	27.8	23.3	30.4	20.4	8.3	16.3	19.46
0470 23	24	5	3.6	0.88	0.51	27.5	23.2	30.2	20.3	11.4	25.4	18.68
0470 24	24	10	6.35	1.88	1.09	27.7	23.5	30.5	20.5	20	45.3	18.20
0470 25	24	15	7.6	2.53	1.46	27.5	23.2	30.2	20.2	23	54.7	18.70



Technical information p. 100
Dimensions p. 103

Conform to IEC/EN 61095
Space for power supply busbar on top (up to 25 A)

Pack	Cat. Nos.	Power contactors with 24 V~ coil		
1	4125 03	Double pole - 250 V~ I max 16 A		Type of contact: N/C + N/O Number of modules: 1
1	4125 05	25 A		Type of contact: 2 N/O Number of modules: 1

Pack	Cat. Nos.	Power contactors with 230 V~ coil		
4	4125 21	Double pole - 250 V~ I max 16 A		Type of contact: N/C + N/O Number of modules: 1
1	4125 24	25 A		Type of contact: 2 N/C Number of modules: 1
5	4125 35	Four pole - 400 V~ 25 A		Type of contact: 4 N/O Number of modules: 2
1	4125 36	25 A		Type of contact: 4 N/C Number of modules: 2
1	4125 33	25 A		Type of contact: 2 N/C + 2 N/O Number of modules: 2

Pack	Cat. Nos.	Signalling auxiliaries for CX ³ contactors			
		Auxiliary changeover switch Used to signal the position status of the contacts on the product to which it is connected For 1 module contactors 16 A to 25 A Maximum 2 auxiliary devices per contactor Fitted on left-hand side of contactor			
1	4124 29	I max 5 A	Voltage 250 V~	Contact N/C + N/O	Number of modules 0.5
		For 2 module contactors 25 A Maximum 2 auxiliary devices per contactor Fitted on left-hand side of contactor			
1	4124 30	I max 5 A	Voltage 250 V~	Contact N/C + N/O	Number of modules 0.5
		For 63 A contactors Maximum 1 auxiliary device per contactor Fitted on left-hand side of contactor			
1	4124 31	I max 5 A	Voltage 250 V~	Contact N/C + N/O	Number of modules 0.5
10	4063 07	Accessory Spacing unit 0.5 module To be placed between every 2 contactors to aid cooling			



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