

Contactors and Overload Relays

EC					
9	12	18	25	32	40
25	25	32	45	60	60
2.2	3	4	7.5	9	11
4	5.5	7.5	11	15	18.5
7.5	11	15	22	30	37
3	4	5.5	7.5	10	10
5.5	7.5	10	15	15	20
5.5	7.5	10	15	20	25
7.5	10	15	20	20	20
2x6	2x6	2x6	2x10	2x16	2x16
18-10	18-10	18-10	18-8	18-6	18-6

EC09A311B ♦	EC12A311B ♦	EC18A311B ♦	EC25A311B ♦	EC32A300B ♦	EC40A300B ♦
EC09D311B ♦	EC12D311B ♦	EC18D311B ♦	EC25D311B ♦	EC32D300B ♦	EC40D300B ♦
EC09E311B ♦	EC12E311B ♦	EC18E311B ♦	EC25E311B ♦	EC32E300B ♦	EC40E300B ♦
EC09A400B ♦	EC12A400B ♦	EC18A400B ♦	EC25A400B ♦	EC32A400B ♦	EC40A400B ♦
EC09D400B ♦	EC12D400B ♦	EC18D400B ♦	EC25D400B ♦	EC32D400B ♦	EC40D400B ♦
EC09E400B ♦	EC12E400B ♦	EC18E400B ♦	EC25E400B ♦	EC32E400B ♦	EC40E400B ♦
-	EC12AB00B ♦	EC18AB00B ♦	EC25AB00B ♦	EC32AB00B ♦	-
-	EC12DB00B ♦	EC18DB00B ♦	EC25DB00B ♦	EC32DB00B ♦	-
-	EC12EB00B ♦	EC18EB00B ♦	EC25EB00B ♦	EC32EB00B ♦	-

Replace ♦ by the coil code

Coil voltage AC		Code		
24V 50/60 Hz		024		
110V 50/60 Hz		110		
120V 50/60 Hz		120		
208V 50/60 Hz		208		
230 50/60 Hz		230		
400V 50/60 Hz		400		
Coil voltage DC		Code	Super Wide Coil Voltage AC/DC	
24V -20% +10% Low consumption		024L	24-60V AC/DC -30% +10%	24-60
			48-130V AC/DC -20% +10%	48-130
			100-250V AC/DC -20% +10%	100-250

Type		Code
R/C 24-48Vac 50/60 Hz		ECSURC048
R/C 50-127Vac 50/60 Hz		ECSURC127
R/C 130-250Vac 50/60 Hz		ECSURC250
Diode 12-440Vdc		ECSUDI440
Varistor 24-48Vac/dc		ECSUVA048
Varistor 50-127 Vac/dc		ECSUVA127

Setting time		Code	Contacts		Code
0.1-30 s delay ON		ECPT30SC	2NO		ECFA220S
1-60 s delay ON		ECPT60SC	1NO + 1NC		ECFA211S
0.1-30 s delay OFF		ECPT30SD	2NC		ECFA202S
1-60 s delay OFF		ECPT60SD			

Contacts		Code	Note: EC*E Lateral Auxiliary can only be mounted on right side
2NO		ECLA220S	
1NO + 1NC		ECLA211S	
2NC		ECLA202S	

Contacts		Code
-		ECMI
2NC		ECMI02S

Setting range (A)		Code	Setting range (A)		Code
0.16-0.26 A		ECRT1B10B	8-12 A		ECRT2B10N
0.25-0.41 A		ECRT1B10C	10-16 A		ECRT2B10P
0.4-0.65 A		ECRT1B10D	14.5-18 A		ECRT2B10S
0.65-1.10 A		ECRT1B10F	17.5-22 A		ECRT2B10T
1-1.5 A		ECRT1B10G	21-26 A		ECRT2B10U
1.3-1.9 A		ECRT1B10H	25-32 A		ECRT2B10V
1.8-2.7 A		ECRT1B10J	30-40 A		ECRT2B10W
2.5-4 A		ECRT1B10K			
4-6.3 A		ECRT1B10L			
5.5-8.5 A		ECRT1B10M			
8-12 A		ECRT1B10N			
10-16 A		ECRT1B10P			
14.5-18 A		ECRT1B10S			
17.5-22 A		ECRT1B10T			
Base for separate mounting ECRT1BS			Base for separate mounting ECRT2BS		

Setting range (A)		Code
0.1-0.5		RE1D
0.4-2		RE1H
1-5		RE1K
1.6-8		RE1M
6.4-32		RE1S
9-45		RE1W
Base for separate mounting		RE1XP

Setting range (A)		Code Rocket	Code Rotary	Setting range (A)		Code Rotary
0.1-0.16		GPS1BSAA	GPS1BHA	28-40		GPS2BHAS
0.16-0.25		GPS1BSAB	GPS1BHA8			
0.25-0.4		GPS1BSAC	GPS1BHA8			
0.4-0.63		GPS1BSAD	GPS1BHA8			
0.63-1		GPS1BSAE	GPS1BHA8			
1-1.6		GPS1BSAF	GPS1BHA8			
1.6-2.5		GPS1BSAG	GPS1BHA8			
2.5-4		GPS1BSAH	GPS1BHA8			
4-6.3		GPS1BSAJ	GPS1BHA8			
6.3-10		GPS1BSAK	GPS1BHA8			
9-13		GPS1BSAL	GPS1BHA8			
11-16		GPS1BSAM	GPS1BHAM			
14-20		GPS1BSAN	GPS1BHAM			
19-25		GPS1BSAP	GPS1BHAM			
24-32		GPS1BSAR	GPS1BHAM			

GPS1 + EC09A to EC25A	GPS1 + EC09E to EC25E	GPS1 + EC32A	GPS2 + EC32A to EC40A	GPS1 + EC32E	GPS2 + EC32E to EC40E
ECM1AL25	ECM1AL25	ECM1AL32	ECM2AL40	ECM1AL32	ECM2AL40

Accessories for contactors

Auxiliary contact blocks

	Contacts				Box clamp terminals		Pack
	NO	NC	NO EM	NC EM	Cat. no.	Ref. no.	
							

Frontal auxiliary blocks⁽¹⁾



2 contacts

1	1	-	-	ECFA211S	268872	5
2	0	-	-	ECFA220S	268873	5
0	2	-	-	ECFA202S	268874	5

4 contacts

4	0	-	-	ECFA440S	268881	5
3	1	-	-	ECFA431S	268882	5
2	2	-	-	ECFA422S	268883	5
1	3	-	-	ECFA413S	268884	5
0	4	-	-	ECFA404S	268885	5
1	1	1	1	ECFA422SE	268886	5

Lateral auxiliary blocks



Lateral auxiliary block for EC contactors⁽³⁾

2	0	-	-	ECLA220S	268899	10
1	1	-	-	ECLA211S	268900	10
0	2	-	-	ECLA202S	268901	10

Lateral auxiliary block for EF contactors

2	0	-	-	BCLL20	104706	10
1	1	-	-	BCLL11	104707	10

Mechanical interlock for EC contactors

0	0	-	-	ECMI	268908	10
0	2	-	-	ECMI02S	268910	10

Mechanical interlock for EF contactors

0	0	-	-	BELA	104723	10
0	2	-	-	BELA02	104724	10

Pneumatic timer⁽²⁾



	NO	NC	Time	Type	Box clamp terminals		Pack
					Cat. no.	Ref. no.	
							
1	1	1	0.1-30 s	delay ON	ECPT30SC	268913	5
1	1	1	1-60 s	delay ON	ECPT60SC	268914	5
1	1	1	0.1-30 s	delay OFF	ECPT30SD	268916	5
1	1	1	1-60 s	delay OFF	ECPT60SD	268917	5

(1) All frontal auxiliary blocks can be used with all contactor types.

(2) The pneumatic timer can be used with all contactor types.

(3) EC*E Lateral Auxiliary can only be mounted on right side

Surge suppressor



Description	Cat. no.	Ref. no.	Pack	Description	Cat. no.	Ref. no.	Pack
Surge suppressor for EC contactors (plug-in) ^(A)				Surge suppressor for AC version EF contactors ^(B)			
Diode type, DC 12-440V	ECSUDI440	268931	10	R-C type, AC 12-48V	BSLR3G	104716	-
R-C type, AC 24-48V	ECSURC048	268932	10	R-C type, AC 50-127V	BSLR3K	104717	-
R-C type, AC 50-127V	ECSURC127	268933	10	R-C type, AC 130-250V	BSLR3R	104718	-
R-C type, AC 130-250V	ECSURC250	268934	10	Varistor type, 24-48V	BSLV3G	104720	-
R-C type, AC 230-440V	ECSURC440	268935	10	Varistor type, 50-127V	BSLV3K	104721	-
R-C type, AC 400-600V	ECSURC600	268936	10	Varistor type, 130-250V	BSLV3R	104722	-
Varistor type, AC/DC 24-48V	ECSUVA048	268937	10	Varistor type, 277-500V	BSLV3U	110836	-
Varistor type, AC/DC 50-127V	ECSUVA127	268938	-				
Varistor type, AC/DC 130-250V	ECSUVA250	268939	-				
Varistor type, AC/DC 230-440V	ECSUVA440	268940	-				

(1) EF contactors with electronic coil version have always surge suppressor built-in. There is no need to buy surge suppressor protection separately.

