

Contactors and Overload Relays

IEC operational rated current	AC3	A
	AC1	A
IEC rated operational power	220-240 V	kW
	380-415 V	kW
	690 V	kW
UL/CSA 3-phase motor rating	220-240 V	hp
	380-415 V	hp
	440-480 V	hp
	550-600 V	hp
Terminal capacity		mm² Max. AWG

3 Poles	AC
	DC
	AC/DC
4 Poles	AC
	DC
	AC/DC
2NO + 2NC	AC
	DC
	AC/DC

Coil selection

Replace ♦ by the coil code

Suppressor

Main accessories Frontal accessories

Lateral aux. contact

Interlock

Thermal overload relay Class 10

Electronic overload relay Class selectable 5,10,20 and 30

Surion Manual Motor Starter

Link module contactor + MMS

EF					
40	50	65	80	95	105
90	90	110	110	140	140
11	11	18.5	22	25	30
18.5	22	30	37	45	55
37	45	55	75	90	90
15	15	20	25	30	40
20	30	40	50	60	75
30	30	40	50	60	75
30	40	50	60	75	75
1x35 or 1x20+1x16	1x35 or 1x20+1x16	1x35 or 1x20+1x16	1x35 or 1x20+1x16	1x50 or 1x35+1x25	1x50 or 1x35+1x25
13-2	13-2	13-2	13-2	11-1/0	11-1/0

-	EF50A300B ♦	EF65A300B ♦	EF80A300B ♦	EF95A300B ♦	EF105A300B ♦
-	-	-	-	-	-
-	EF50E300B ♦	EF65E300B ♦	EF80E300B ♦	EF95E300B ♦	EF105E300B ♦
-	EF50A400B ♦	-	EF80A400B ♦	EF95A400B ♦	-
-	-	-	-	-	-
-	EF50E400B ♦	-	EF80E400B ♦	EF95E400B ♦	-
EF40AB00B ♦	-	EF65AB00B ♦	EF80AB00B ♦	-	-
-	-	-	-	-	-
EF40EB00B ♦	-	EF65EB00B ♦	EF80EB00B ♦	-	-

Replace ♦ by the coil code

Coil voltage AC	Code
24V 50/60 Hz	024
110V 50/60 Hz 120V 60Hz	110
230 50/60 Hz	230
400V 50/60 Hz	400

Super Wide Coil Voltage AC/DC	Code
24-60V AC/DC -30%+10%	24-60
48-130V AC/DC -20%+10%	48-130
100-250V AC/DC -20%+10%	100-250
250-500V AC/DCv -20%+10%	250-500

Type	Code
R/C 12-60Vac 50/60 Hz	MP0AAE01
R/C 72-250Vac 50/60 Hz	MP0AAE02
Diode 6-250Vdc	MP0CAE03
Varistor 24-48Vac/dc	MP0DAE04

Contacts	Code
2NO	ECFA220S
1NO + 1NC	ECFA211S
2NC	ECFA202S

Contacts	Code
4NO	ECFA440S
3NO + 1NC	ECFA431S
2NO + 2NC	ECFA422S
1NO + 3NC	ECFA413S
4NC	ECFA404S

Contacts	Code
2NO	BCLL20
1NO + 1NC	BCLL11

Contacts	Code
-	BELA
2NC	BELA02

Setting range (A)	Code
11.5-15 A	RT2A
14.5-19 A	RT2B
18.5-25 A	RT2C
24-32 A	RT2D
30-43 A	RT2E
42-55 A	RT2G
54-65 A	RT2H
64-82 A	RT2J
78-97 A	RT2L
90-110 A	RT2M

Base for separate mounting	RT2XP
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Setting range (A)	Code
15-75	RE2H
22-110	RE2M

Base for separate mounting	RE2XP
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Setting range (A)	Code Rotary
35 - 50	GPS2BHAT
45 - 63	GPS2BHAU

GPS2 + EF50A-EF80A	GPS2 EF50E-EF80E
EFM2AL80	EFM2EL80

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

	NO	NC	NO EM	NC EM	Cat. no.	Ref. no.	Pack
1	1	-	-	-	ECFA211S	268872	5
2	0	-	-	-	ECFA220S	268873	5
0	2	-	-	-	ECFA202S	268874	5

4 contacts

	NO	NC	NO EM	NC EM	Cat. no.	Ref. no.	Pack
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	1	ECFA422SE	268886	5

Lateral auxiliary blocks



Lateral auxiliary block for EC contactors⁽³⁾

	NO	NC	NO EM	NC EM	Cat. no.	Ref. no.	Pack
2	0	-	-	-	ECLA220S	268899	10
1	1	-	-	-	ECLA211S	268900	10
0	2	-	-	-	ECLA202S	268901	10

Lateral auxiliary block for EF contactors

	NO	NC	NO EM	NC EM	Cat. no.	Ref. no.	Pack
2	0	-	-	-	BCLL20	104706	10
1	1	-	-	-	BCLL11	104707	10

Mechanical interlock for EC contactors

	NO	NC	NO EM	NC EM	Cat. no.	Ref. no.	Pack
0	0	-	-	-	ECMI	268908	10
0	2	-	-	-	ECMI02S	268910	10

Mechanical interlock for EF contactors

	NO	NC	NO EM	NC EM	Cat. no.	Ref. no.	Pack
0	0	-	-	-	BELA	104723	10
0	2	-	-	-	BELA02	104724	10

Pneumatic timer⁽²⁾



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

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

