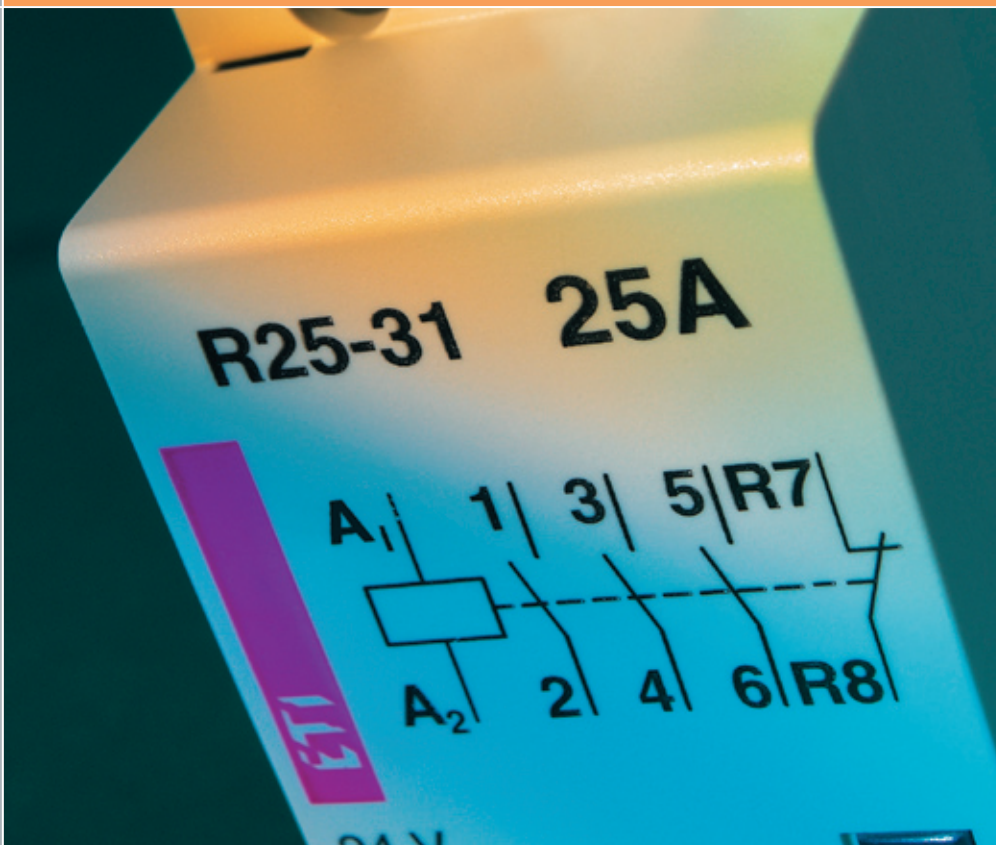


ETICON

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CONTACTORS



Modular contactors for installation into distribution boards

Modular contactor for installation into distribution board

Description

Modular contactors are used for installation in consumer units in dwellings, business premises, hotels, hospitals, shopping centers, sport centers, production halls, warehouses etc.

They are used for remote switching and automatic control of electric devices and equipment, such as:

- lightning
- all types of pumps
- air-conditioning
- electric heating
- single-phase and three-phase motors

They excel in silent operation, long mechanical life time and high quality.

The contactors are designed for mounting on 35 mm mounting rail in accordance with the EN 60715 standard and they can be leaded by means of lead covers. The auxiliary contact block is available for signalization and ventilation module is available for preventing exceeded heating when contactors are used side-by-side.

All contactors have degree of protection IP20.

Besides the basic AC controlled types R20, R25, R40 and R63, types with increased silent operation RD20, RD25, RD40 and RD63 are available. Due to DC magnet and rectifier enable DC and AC voltage control. Surge arrestor is built in for over voltage protection.

Types R20-R, RD20-R, R25-R and RD25-R are upgraded versions of basic types of modular contactors. Besides basic functions they enable manual control with a handle.

Description of the handle positions:

- A: the contactor functions as an installation contactor without manual control
- O: permanently OFF
- I: manual shifting the handle from position A to I causes the contactor to close; when control voltage is applied, the handle is automatically set to position A.

Types RD20-R and RD25-R are provided with a varistor for over voltage protection and a rectifier, which enables control with AC and DC voltage.

Contactors with manual control enable:

- switching depending on tariff (selection of the most convenient tariff)
- switching when control voltage is not applied

Technical specifications according to:

EN60947-4-1; EN60947-5-1; VDE 0660, IEC 947-4-1; IEC 947-5-1

2-pole, 1 module (17,5 mm), 20 A (AC1, 400 V)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
R 20-20 230V	002461210		130	12
R 20-20 24 V	002461211		130	12
R 20-11 230 V	002461220		130	12
R 20-11 24 V	002461221		130	12
R 20-02 230 V	002461230		130	12
R 20-02 24 V	002461231		130	12

1-pole, 1 module (17,5 mm), 25 A (AC1, 400 V)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
R 25-10-24V	002463507		130	12
R 25-10-230V	002463500		130	12

2-pole, 1 module (17,5 mm), 25 A (AC1, 400 V)

R 25-20-24V	002463501		130	12
R 25-20 230V	002463502		130	12
R 25-11 24V	002463503		130	12
R 25-11 230V	002463504		130	12
R 25-02 24V	002463505		130	12
R 25-02 230V	002463506		130	12

4-pole, 2 modules (35 mm), 25 A (AC1, 400 V)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
R 25-40 230 V	002462310		220	6
R 25-40 24 V	002462311		220	6
R 25-31 230 V	002462320		220	6
R 25-31 24 V	002462321		220	6
R 25-13 230 V	002462330		220	6
R 25-13 24 V	002462331		220	6
R 25-22 230 V	002462340		220	6
R 25-22 24 V	002462341		220	6
R 25-04 230 V	002462350		220	6
R 25-04 24 V	002462351		220	6



**4-pole, 3 modules (52,5 mm), 40 A (AC1, 400 V)**

type	code No.	wiring diagram	weight [g]	packaging [pcs]
R 40-40 230 V	002463410		360	4
R 40-40 24 V	002463411		360	4
R 40-31 230 V	002463420		360	4
R 40-31 24 V	002463421		360	4
R 40-22 230 V	002463430		360	4
R 40-22 24 V	002463431		360	4
R 40-04 230 V	002463440		360	4
R 40-04 24 V	002463441		360	4

4 pole, 3 modules (52,5mm), 63 A(AC1, 400 V)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
R 63-40 230 V	002463450		360	4
R 63-40 24 V	002463451		360	4
R 63-31 230 V	002463460		360	4
R 63-31 24 V	002463461		360	4
R 63-22 230 V	002463470		360	4
R 63-22 24 V	002463471		360	4
R 63-04 230 V	002463480		360	4
R 63-04 24 V	002463481		360	4

Auxiliary contactor block for contactors R25, R40, R63 (max. 1 piece)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
RH 11	002461101		26	3

Leaded cover

type	code No.	wiring diagram	weight [g]	packaging [pcs]
P721	002461110	R 25	2	10
P690	002461120	R 40..., R 63...	3	10

Distance piece

type	code No.	wiring diagram	weight [g]	packaging [pcs]
P730	002461130	R20-R63	12	10

1-pole, 1 module (17,5 mm), 20 A (AC1, 230 V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RD 20-10-230V AC/DC	002464000		130	10
RD 20-10-24V AC/DC	002464001			
RD 20-01-230V AC/DC	002464002		130	10
RD 20-01-24V AC/DC	002464003			

2-pole, 1 module (17,5 mm), 20 A (AC1, 230 V)

RD 20-20-230V AC/DC	002464004		130	10
RD 20-20-24V AC/DC	002464005			
RD 20-11-230V AC/DC	002464006		130	10
RD 20-11-24V AC/DC	002464007			
RD 20-02-230V AC/DC	002464008		130	10
RD 20-02-24V AC/DC	002464009			

4-pole, 2 modules (35 mm), 25 A (AC1, 400 V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RD 25-40-230V AC/DC	002464010		240	5
RD 25-40-24V AC/DC	002464011			
RD 25-31-230V AC/DC	002464012		240	5
RD 25-31-24V AC/DC	002464013			
RD 25-22-230V AC/DC	002464014		240	5
RD 25-22-24V AC/DC	002464015			
RD 25-04-230V AC/DC	002464016		240	5
RD 25-04-24V AC/DC	002464017			

4-pole, 3 modules (52,5 mm), 40 A (AC1, 400 V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RD 40-40-230V AC/DC	002464018		420	5
RD 40-40-24V AC/DC	002464019			
RD 40-31-230V AC/DC	002464020		420	5
RD 40-31-24V AC/DC	002464021			
RD 40-22-230V AC/DC	002464022		420	5
RD 40-22-24V AC/DC	002464023			
RD 40-04-230V AC/DC	002464024		420	5
RD 40-04-24V AC/DC	002464025			

4 pole, 3 modules (52,5mm), 63 A(AC1, 400 V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RD 63-40-230V AC/DC	002464026		420	5
RD 63-40-24V AC/DC	002464027			
RD 63-31-230V AC/DC	002464028		420	5
RD 63-31-24V AC/DC	002464029			
RD 63-22-230V AC/DC	002464030		420	5
RD 63-22-24V AC/DC	002464031			



1-pole, ON - OFF - AUTO, 1 module (17,5 mm), 20 A (AC1, 400 V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
R 20-10-R-230V AC	002464032		130	10
R 20-10-R-24V AC	002464033			
RD 20-10-R-230V AC/DC	002464034			
RD 20-10-R-24V AC/DC	002464035			
R 20-01-R-230V AC	002464036		130	10
R 20-01-R-24V AC	002464037			
RD 20-01-R-230V AC/DC	002464038			
RD 20-01-R-24V AC/DC	002464039			

2-pole, ON - OFF - AUTO, 1 module (17,5 mm), 20 A (AC1, 400 V)

R 20-20-R-230V AC	002464040		130	10
R 20-20-R-24V AC	002464041			
RD 20-20-R-230V AC/DC	002464042			
RD 20-20-R-24V AC/DC	002464043			
R 20-11-R-230V AC	002464044		130	10
R 20-11-R-24V AC	002464045			
RD 20-11-R-230V AC/DC	002464046			
RD 20-11-R-24V AC/DC	002464047			
R 20-02-R-230V AC	002464048		130	10
R 20-02-R-24V AC	002464049			
RD 20-02-R-230V AC/DC	002464050			
RD 20-02-R-24V AC/DC	002464051			

4-pole, ON - OFF - AUTO, 2 modules (35 mm), 25 A (AC1, 400 V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
R 25-40-R-230V AC	002464052		240	5
R 25-40-R-24V AC	002464053			
RD 25-40-R-230V AC/DC	002464054			
RD 25-40-R-24V AC/DC	002464055			
R 25-31-R-230V AC	002464056		240	5
R 25-31-R-24V AC	002464057			
RD 25-31-R-230V AC/DC	002464058			
RD 25-31-R-24V AC/DC	002464059			
R 25-22-R-230V AC	002464060		240	5
R 25-22-R-24V AC	002464061			
RD 25-22-R-230V AC/DC	002464062			
RD 25-22-R-24V AC/DC	002464063			
R 25-04-R-230V AC	002464064		240	5
R 25-04-R-24V AC	002464065			
RD 25-04-R-230V AC/DC	002464066			
RD 25-04-R-24V AC/DC	002464067			



Auxiliary contactor block for contactors R25, R40, R63 (max. 1 piece)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RN-20	002464068		30	1
RN-02	002464069		30	1
RN-11	002464070		30	1

* The auxiliary switch should not be applied in combination with RD20, R20-R and RD20-R

**Sealing cover**

Type	Code No.	Weight [g]	Packaging [pcs]
SC20	002464071	3	2
SC25	002464072	4	2
SC40/63	002464073	5	2

**Distance piece**

Type	Code No.	Weight [g]	Packaging [pcsg]
IKV	002464074	6	1



Miniature and motor contactors, capacitor duty contactors, auxiliary contactors and overload relays

Miniature and auxiliary contactor CE, CEC

Application:

Miniature contactors are used to remotely control and protect (in combination with overload relays) electric motors and other electric loads with nominal power up to 7,5kW (at 400V AC3 duty), and auxiliary contactors are used for realizing a wide range of control circuits.

Advantages:

- Mounting on DIN rail and mounting plates
- Small size and high technical performance
- Low power loss (current heat loss)
- Protection against direct contact from front (IEC 536) IP20
- Wide range of accessories
- Surge suppressor (as option)
- Reversing starter with mechanical interlock
- Control voltage 24VAC, 48VAC, 110VAC, 230VAC, 400VAC



Miniature contactor CE07, 16 A (AC1), 7A, 3 kW (AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CE07.10-24V-50/60Hz	004641020		130	1
CE07.10-48V-50/60Hz	004641021			
CE07.10-110V-50/60Hz	004641022			
CE07.10-230V-50/60Hz	004641023			
CE07.10-400V-50/60Hz	004641024			
CE07.01-24V-50/60Hz	004641010		130	1
CE07.01-48V-50/60Hz	004641011			
CE07.01-110V-50/60Hz	004641012			
CE07.01-230V-50/60Hz	004641013			
CE07.01-400V-50/60Hz	004641014			



Miniature contactors CEC07; 18A(AC1); 7A,3kW(AC3 400V)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEC07.10-24V-50/60Hz	004641050		180	1
CEC07.10-42V-50/60Hz	004641051			
CEC07.10-48V-50/60Hz	004641052			
CEC07.10-110V-50/60Hz	004641053			
CEC07.10-230V-50/60Hz	004641054			
CEC07.10-400V-50/60Hz	004641055			
CEC07.10-24VDC	004641100			
CEC07.10-48VDC	004641130			
CEC07.10-110VDC	004641131			
CEC07.10-220VDC	004641132			
CEC07.01-24V-50/60Hz	004641056		180	1
CEC07.01-42V-50/60Hz	004641057			
CEC07.01-48V-50/60Hz	004641058			
CEC07.01-110V-50/60Hz	004641059			
CEC07.01-230V-50/60Hz	004641060			
CEC07.01-400V-50/60Hz	004641061			
CEC07.01-24VDC	004641101			
CEC07.01-48VDC	004641133			
CEC07.01-110VDC	004641134			
CEC07.01-220VDC	004641135			

Miniature contactors CEC09; 20A(AC1); 9A,4kW(AC3, 400V)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEC09.10-24V-50/60Hz	004641062		180	1
CEC09.10-42V-50/60Hz	004641063			
CEC09.10-48V-50/60Hz	004641064			
CEC09.10-110V-50/60Hz	004641065			
CEC09.10-230V-50/60Hz	004641066			
CEC09.10-400V-50/60Hz	004641067			
CEC09.10-24VDC	004641102		218	1
CEC09.10-48VDC	004641136			
CEC09.10-110VDC	004641137			
CEC09.10-220VDC	004641138			
CEC09.01-24V-50/60Hz	004641068			
CEC09.01-42V-50/60Hz	004641069			
CEC09.01-48V-50/60Hz	004641070		180	1
CEC09.01-110V-50/60Hz	004641071			
CEC09.01-230V-50/60Hz	004641072			
CEC09.01-400V-50/60Hz	004641073			
CEC09.01-24VDC	004641103			
CEC09.01-48VDC	004641139			
CEC09.01-110VDC	004641140		218	1
CEC09.01-220VDC	004641141			

**Miniature contactors CEC012; 22A(AC1); 12A,5,5kW(AC3 400V)**

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEC012.10-24V-50/60Hz	004641074		180	1
CEC012.10-42V-50/60Hz	004641075			
CEC012.10-48V-50/60Hz	004641076			
CEC012.10-110V-50/60Hz	004641077			
CEC012.10-230V-50/60Hz	004641078			
CEC012.10-400V-50/60Hz	004641079			
CEC012.10-24VDC	004641104		218	1
CEC012.10-48VDC	004641142			
CEC012.10-110VDC	004641143			
CEC012.10-220VDC	004641144			
CEC012.01-24V-50/60Hz	004641080			
CEC012.01-42V-50/60Hz	004641081			
CEC012.01-48V-50/60Hz	004641082		180	1
CEC012.01-110V-50/60Hz	004641083			
CEC012.01-230V-50/60Hz	004641084			
CEC012.01-400V-50/60Hz	004641085			
CEC012.01-24VDC	004641105			
CEC012.01-48VDC	004641145			
CEC012.01-110VDC	004641146		218	1
CEC012.01-220VDC	004641147			





Miniature contactors CEC016; 22A(AC1); 16A,7,5kW(AC3 400V)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEC016.10-24V-50/60Hz	004641086		180	1
CEC016.10-42V-50/60Hz	004641087			
CEC016.10-48V-50/60Hz	004641088			
CEC016.10-110V-50/60Hz	004641089			
CEC016.10-230V-50/60Hz	004641090			
CEC016.10-400V-50/60Hz	004641091			
CEC016.10-24VDC	004641106		218	1
CEC016.10-48VDC	004641148			
CEC016.10-110VDC	004641149			
CEC016.10-220VDC	004641150			
CEC016.01-24V-50/60Hz	004641092			
CEC016.01-42V-50/60Hz	004641093			
CEC016.01-48V-50/60Hz	004641094		180	1
CEC016.01-110V-50/60Hz	004641095			
CEC016.01-230V-50/60Hz	004641096			
CEC016.01-400V-50/60Hz	004641097			
CEC016.01-24VDC	004641107			
CEC016.01-48VDC	004641151			
CEC016.01-110VDC	004641152		218	1
CEC016.01-220VDC	004641153			



Miniature contactor relay CEA0; 6A (AC15, 230V)

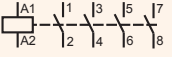
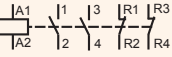
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Miniature contactor relay CEA0; 10A (AC15, 230V)

CECA0.22-24V-50/60Hz	004641160		180	1
CECA0.22-230V-50/60Hz	004642390			
CECA0.31-24V-50/60Hz	004641161			
CECA0.31-230V-50/60Hz	004642391			
CECA0.13-24V-50/60Hz	004641162			
CECA0.13-230V-50/60Hz	004642392			
CECA0.40-24V-50/60Hz	004641163			
CECA0.40-230V-50/60Hz	004642393			
CECA0.04-24V-50/60Hz	004641164		218	1
CECA0.04-230V-50/60Hz	004642394			
CECA0.22-24VDC	004646010			
CECA0.22-220VDC	004641170			
CECA0.31-24VDC	004646011			
CECA0.31-220VDC	004641171			
CECA0.13-24VDC	004646012			
CECA0.13-220VDC	004641172			
CECA0.40-24VDC	004646013			
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CECA0.04-24VDC	004646014			
CECA0.04-220VDC	004641174			

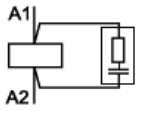
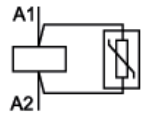
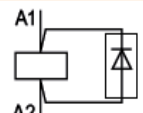


4-pole miniature contactors

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEC07.4P-230V-50/60Hz	004641200		180	1
CEC09.4P-230V-50/60Hz	004641201			
CEC012.4P-230V-50/60Hz	004641202			
CEC016.4P-230V-50/60Hz	004641203			
CEC07.4P-24VDC	004641210			
CEC09.4P-24VDC	004641211			
CEC012.4P-24VDC	004641212		180	1
CEC016.4P-24VDC	004641213			
CEC07.PR-230V-50/60Hz	004641204			
CEC09.PR-230V-50/60Hz	004641205			
CEC012.PR-230V-50/60Hz	004641206			
CEC016.PR-230V-50/60Hz	004641207			
CEC07.PR-24V-DC	004641214			
CEC09.PR-24V-DC	004641215			
CEC012.PR-24V-DC	004641216			
CEC016.PR-24V-DC	004641217			



Surge suppressor

type	code No.	voltage	wiring diagram	weight [g]	packaging [pcs]
RCCE-1	004641720	12-24V 50/60HZ		6	1
RCCE-2	004641721	24-48V 50/60HZ			
RCCE-3	004641722	48-127V 50/60HZ			
RCCE-4	004641723	127-250V 50/60HZ			
RCCE-5	004641724	250-380V 50/60HZ			
RCCE-6	004641725	380-510V 50/60HZ			
VRCE-1	004641726	12-48VAC/12-60VDC		6	1
VRCE-2	004641727	50-127VAC/60-180VDC			
VRCE-3	004641728	130-275VAC/180-300VDC			
VRCE-4	004641729	277-380VAC/300-510VDC			
VRCE-5	004641730	400-510VAC			
DICE-1	004641731	12-600VDC		6	1



Mechanical interlock

type	code No.	weight [g]	packaging [pcs]
BECO	004643603	15	1



Printed circuit board adapter

type	code No.	weight [g]	packaging [pcs]
CECO	004642720	126	1



Auxiliary contact blocks

type	code No.	wiring diagram	For use with	weight [g]	packaging [pcs]
EFC0-20	004641520		CECO 3 pole	28	1
EFC0-11	004641521				
EFC0-02	004641522				
EFC0-40	004641523				
EFC0-22	004641524				
EFC0-04	004641525				
EFC0-31	004641526				
EFC0-13	004641527				
EFCA-20	004641530		CECA0	28	1
EFCA-11	004641531				
EFCA-02	004641532				
EFCA-40	004641533				
EFCA-22	004641534				
EFCA-04	004641535				
EFCA-31	004641536				
EFCA-13	004641537				
EFC4-20	004641540		CECO 4 pole	28	1
EFC4-11	004641541				
EFC4-02	004641542				
EFC4-40	004641543				
EFC4-22	004641544				
EFC4-04	004641545				
EFC4-31	004641546				
EFC4-13	004641547				



Example of using EFCO and RCCE

Electronic timing relays

type	code No.	time	Supply Voltage	weight [g]	packaging [pcs]
ON delay					
TOE-3-24-240	004642730	0,3-3 sec	24-240V AC/DC	126	1
TOE-10-24-240	004642731	1-10 sec			
TOE-30-24-240	004642732	3-30 sec			
TOE-60-24-240	004642733	6-60 sec			
TOE-100-24-240	004642734	10-100 sec			
TOE-300-24-240	004642735	30-300 sec			
TOE-1800-24-240	004642736	180-1800 sec			
OFF delay					
TOD-3-24-60	004642740	0,3-3 sec	24-60V AC/DC	126	1
TOD-10-24-60	004642741	1-10 sec			
TOD-30-24-60	004642742	3-30 sec			
TOD-60-24-60	004642743	6-60 sec			
TOD-100-24-60	004642744	10-100 sec			
TOD-300-24-60	004642745	30-300 sec			
TOD-1800-24-60	004642746	180-1800 sec			
TOD-3-100-240	004642747	0,3-3 sec	110-240V AC/DC	126	1
TOD-10-100-240	004642748	1-10 sec			
TOD-30-100-240	004642749	3-30 sec			
TOD-60-100-240	004642750	6-60 sec			
TOD-100-100-240	004642751	10-100 sec			
TOD-300-100-240	004642752	30-300 sec			
TOD-1800-100-240	004642753	180-1800 sec			
Star-delta					
TSD-30-24-28	004642760	3-30 sec	24-48V AC	126	1
TSD-30-110-130	004642761		110-130V AC		
TSD-30-220-240	004642762		220 - 240V AC		

**Miniature contactor-reversing starter with mechanical interlock CEI07.10, 16A (AC1), 3,5A, 1,5 kW (AC3)***

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEI7.10-24V-50/60Hz	004641620		250	1
CEI7.10-48V-50/60Hz	004641621			
CEI7.10-110V-50/60Hz	004641622			
CEI7.10-230V-50/60Hz	004641623			
CEI7.10-400V-50/60Hz	004641624			

* Auxiliary contact 1 NO integrated

Miniature contactor-reversing starter with mechanical interlock CEI07.10, 16A (AC1), 3,5A, 1,5 kW (AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEI7.01-24V-50/60Hz	004641610		250	1
CEI7.01-48V-50/60Hz	004641611			
CEI7.01-110V-50/60Hz	004641612			
CEI7.01-230V-50/60Hz	004641613			
CEI7.01-400V-50/60Hz	004641614			

* Auxiliary contact 1 NC integrated



Motor contactor CEM

Application

Contactors are used to remotely control and protect (in combination with overload relays) electric motors and other electric loads with nominal power up to 160kW (at 400V AC3 duty).

Advantages

- Mounting on DIN rail and mounting plates
- High technical performance
- Low power loss (current heat loss)
- Protection against direct contact from front (IEC 536) IP20
- Wide range of accessories
- Surge suppressor (as option)
- Control voltage 24VAC, 48VAC, 110VAC, 230VAC, 400VAC



Motor contactor CEM9.10; 25A(AC1); 9A; 4kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM9.10-24V-50/60Hz	004642120		295	1
CEM9.10-48V-50/60Hz	004642121		295	1
CEM9.10-110V-50/60Hz	004642122		295	1
CEM9.10-230V-50/60Hz	004642123		295	1
CEM9.10-400V-50/60Hz	004642124		295	1
CEM9.10-24V DC	004642220		510	1
CEM9.10-220V DC	004642221		510	1

* Auxiliary contact 1NO integrated

Motor contactor CEM9.01; 25A(AC1); 9A; 4kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM9.01-24V-50/60Hz	004642110		295	1
CEM9.01-48V-50/60Hz	004642111		295	1
CEM9.01-110V-50/60Hz	004642112		295	1
CEM9.01-230V-50/60Hz	004642113		295	1
CEM9.01-400V-50/60Hz	004642114		295	1
CEM9.01-24V DC	004642210		510	1
CEM9.01-220V DC	004642211		510	1

* Auxiliary contact 1NC integrated

Motor contactor CEM12.10; 25A(AC1); 12A; 5.5kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM12.10-24V-50/60Hz	004643120		295	1
CEM12.10-48V-50/60Hz	004643121		295	1
CEM12.10-110V-50/60Hz	004643122		295	1
CEM12.10-230V-50/60Hz	004643123		295	1
CEM12.10-400V-50/60Hz	004643124		295	1
CEM12.10-24V DC	004643220		510	1
CEM12.10-220V DC	004643221		510	1

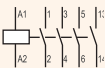
* Auxiliary contact 1NO integrated

Motor contactor CEM12.01; 25A(AC1); 12A; 5.5kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM12.01-24V-50/60Hz	004643110		295	1
CEM12.01-48V-50/60Hz	004643111		295	1
CEM12.01-110V-50/60Hz	004643112		295	1
CEM12.01-230V-50/60Hz	004643113		295	1
CEM12.01-400V-50/60Hz	004643114		295	1
CEM12.01-24V DC	004643210		510	1
CEM12.01-220V DC	004643211		510	1

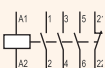
* Auxiliary contact 1NC integrated

Motor contactor CEM18.10; 32A(AC1); 18A; 7.5kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM18.10-24V-50/60Hz	004644120		295	1
CEM18.10-48V-50/60Hz	004644121		295	1
CEM18.10-110V-50/60Hz	004644122		295	1
CEM18.10-230V-50/60Hz	004644123		295	1
CEM18.10-400V-50/60Hz	004644124		295	1
CEM18.10-24V DC	004644220		510	1
CEM18.10-220V DC	004644221		510	1

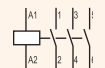
* Auxiliary contact 1NO integrated

Motor contactor CEM18.01; 32A(AC1); 18A; 7.5kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM18.01-24V-50/60Hz	004644110		295	1
CEM18.01-48V-50/60Hz	004644111		295	1
CEM18.01-110V-50/60Hz	004644112		295	1
CEM18.01-230V-50/60Hz	004644113		295	1
CEM18.01-400V-50/60Hz	004644114		295	1
CEM18.01-24V DC	004644210		510	1
CEM18.01-220V DC	004644211		510	1

* Auxiliary contact 1NC integrated

Motor contactor CEM25.00; 45A(AC1); 25A; 11kW(AC3)

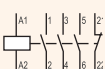
type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM25.00-24V-50/60Hz	004645100		295	1
CEM25.00-48V-50/60Hz	004645101		295	1
CEM25.00-110V-50/60Hz	004645102		295	1
CEM25.00-230V-50/60Hz	004645103		295	1
CEM25.00-400V-50/60Hz	004645104		295	1
CEM25.00-24V DC	004645200		510	1
CEM25.00-220V DC	004645201		510	1

Motor contactor CEM25.10; 45A(AC1); 25A; 11kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM25.10-24V-50/60Hz	004645120		295	1
CEM25.10-48V-50/60Hz	004645121		295	1
CEM25.10-110V-50/60Hz	004645122		295	1
CEM25.10-230V-50/60Hz	004645123		295	1
CEM25.10-400V-50/60Hz	004645124		295	1
CEM25.10-24V DC	004645220		510	1
CEM25.10-220V DC	004645221		510	1

* Auxiliary contact: front mounted auxiliary contact block 1 NO is enclosed to contactor

Motor contactor CEM25.01; 45A(AC1); 25A; 11kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM25.01-24V-50/60Hz	004645110		295	1
CEM25.01-48V-50/60Hz	004645111		295	1
CEM25.01-110V-50/60Hz	004645112		295	1
CEM25.01-230V-50/60Hz	004645113		295	1
CEM25.01-400V-50/60Hz	004645114		295	1
CEM25.01-24V DC	004645210		510	1
CEM25.01-220V DC	004645211		510	1

* Auxiliary contact: front mounted auxiliary contact block 1 NC is enclosed to contactor



Motor contactor CEM32.00; 60A(AC1); 32A; 15kW(AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM32.00-24V-50/60Hz	004646100		520	1
CEM32.00-48V-50/60Hz	004646101		520	1
CEM32.00-110V-50/60Hz	004646102		520	1
CEM32.00-230V-50/60Hz	004646103		520	1
CEM32.00-400V-50/60Hz	004646104		520	1
CEM32.00-24V DC	004646200		850	1
CEM32.00-220V DC	004646201		850	1

Motor contactor CEM32.10; 60A(AC1); 32A; 15kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM32.10-24V-50/60Hz	004646120		520	1
CEM32.10-48V-50/60Hz	004646121		520	1
CEM32.10-110V-50/60Hz	004646122		520	1
CEM32.10-230V-50/60Hz	004646123		520	1
CEM32.10-400V-50/60Hz	004646124		520	1
CEM32.10-24V DC	004646220		850	1
CEM32.10-220V DC	004646221		850	1

* Auxiliary contact: front mounted auxiliary contact block 1 NO is enclosed to contactor

Motor contactor CEM32.01; 60A(AC1); 32A; 15kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM32.01-24V-50/60Hz	004646110		520	1
CEM32.01-48V-50/60Hz	004646111		520	1
CEM32.01-110V-50/60Hz	004646112		520	1
CEM32.01-230V-50/60Hz	004646113		520	1
CEM32.01-400V-50/60Hz	004646114		520	1
CEM32.01-24V DC	004646210		850	1
CEM32.01-220V DC	004646211		850	1

* Auxiliary contact: front mounted auxiliary contact block 1 NC is enclosed to contactor

Motor contactor CEM40.00; 60A(AC1); 40A; 18.5kW(AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM40.00-24V-50/60Hz	004647100		540	1
CEM40.00-48V-50/60Hz	004647101		540	1
CEM40.00-110V-50/60Hz	004647102		540	1
CEM40.00-230V-50/60Hz	004647103		540	1
CEM40.00-400V-50/60Hz	004647104		540	1
CEM40.00-24V DC	004647200		850	1
CEM40.00-220V DC	004647201		850	1

Motor contactor CEM40.11; 60A(AC1); 40A; 18.5kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM40.11-24V-50/60Hz	004647130		540	1
CEM40.11-48V-50/60Hz	004647131		540	1
CEM40.11-110V-50/60Hz	004647132		540	1
CEM40.11-230V-50/60Hz	004647133		540	1
CEM40.11-400V-50/60Hz	004647134		540	1
CEM40.11-24V DC	004647230		850	1
CEM40.11-220V DC	004647231		850	1

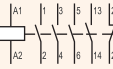
* Auxiliary contacts: two front mounted auxiliary contact blocks 1 NO + 1 NC are enclosed to contactor



Motor contactor CEM50.00; 80A(AC1); 50A; 22kW(AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM50.00-24V-50/60Hz	004648100		1105	1
CEM50.00-48V-50/60Hz	004648101		1105	1
CEM50.00-110V-50/60Hz	004648102		1105	1
CEM50.00-230V-50/60Hz	004648103		1105	1
CEM50.00-400V-50/60Hz	004648104		1105	1
CEM50.00-24V DC **	004648200		1240	1
CEM50.00-220V DC **	004648201		1240	1

Motor contactor CEM50.11; 80A(AC1); 50A; 22kW(AC3)*

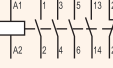
type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM50.11-24V-50/60Hz	004648130		1105	1
CEM50.11-48V-50/60Hz	004648131		1105	1
CEM50.11-110V-50/60Hz	004648132		1105	1
CEM50.11-230V-50/60Hz	004648133		1105	1
CEM50.11-400V-50/60Hz	004648134		1105	1
CEM50.11-24V DC **	004648230		1240	1
CEM50.11-220V DC **	004648231		1240	1

* Auxiliary contacts: two front mounted auxiliary contact blocks 1 NO + 1 NC are enclosed to contactor

Motor contactor CEM65.00; 110A(AC1); 65A; 30kW(AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM65.00-24V-50/60Hz	004649100		1120	1
CEM65.00-48V-50/60Hz	004649101		1120	1
CEM65.00-110V-50/60Hz	004649102		1120	1
CEM65.00-230V-50/60Hz	004649103		1120	1
CEM65.00-400V-50/60Hz	004649104		1120	1
CEM65.00-24V DC **	004649200		1240	1
CEM65.00-220V DC **	004649201		1240	1

**Motor contactor CEM65.11; 110A(AC1); 65A; 30kW(AC3)***

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM65.11-24V-50/60Hz	004649130		1120	1
CEM65.11-48V-50/60Hz	004649131		1120	1
CEM65.11-110V-50/60Hz	004649132		1120	1
CEM65.11-230V-50/60Hz	004649133		1120	1
CEM65.11-400V-50/60Hz	004649134		1120	1
CEM65.11-24V DC **	004649230		1240	1
CEM65.11-220V DC **	004649231		1240	1

* Auxiliary contacts: two front mounted auxiliary contact blocks 1 NO + 1 NC are enclosed to contactor

Motor contactor CEM80.00; 110A(AC1); 80A; 37kW(AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM80.00-24V-50/60Hz	004650100		1130	1
CEM80.00-48V-50/60Hz	004650101		1130	1
CEM80.00-110V-50/60Hz	004650102		1130	1
CEM80.00-230V-50/60Hz	004650103		1130	1
CEM80.00-400V-50/60Hz	004650104		1130	1
CEM80.00-24V DC **	004650200		1240	1
CEM80.00-220V DC **	004650201		1240	1

** Range of operating voltages is shown in technical part of catalogue

**Motor contactor CEM80.11; 110A(AC1); 80A; 37kW(AC3)***

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM80.11-24V-50/60Hz	004650130		1130	1
CEM80.11-48V-50/60Hz	004650131		1130	1
CEM80.11-110V-50/60Hz	004650132		1130	1
CEM80.11-230V-50/60Hz	004650133		1130	1
CEM80.11-400V-50/60Hz	004650134		1130	1
CEM80.11-24V DC **	004650230		1240	1
CEM80.11-220V DC **	004650231		1240	1

* Auxiliary contacts: two front mounted auxiliary contact blocks 1 NO + 1 NC are enclosed to contactor

Motor contactor CEM95.00; 140A(AC1); 95A; 45kW(AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM95.00-24V-50/60Hz	004651100		1450	1
CEM95.00-48V-50/60Hz	004651101		1450	1
CEM95.00-110V-50/60Hz	004651102		1450	1
CEM95.00-230V-50/60Hz	004651103		1450	1
CEM95.00-400V-50/60Hz	004651104		1450	1
CEM95.00-24V DC **	004651200		1500	1
CEM95.00-220V DC **	004651201		1500	1

Motor contactor CEM95.11; 140A(AC1); 95A; 45kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM95.11-24V-50/60Hz	004651130		1450	1
CEM95.11-48V-50/60Hz	004651131		1450	1
CEM95.11-110V-50/60Hz	004651132		1450	1
CEM95.11-230V-50/60Hz	004651133		1450	1
CEM95.11-400V-50/60Hz	004651134		1450	1
CEM95.11-24V DC **	004651230		1500	1
CEM95.11-220V DC **	004651231		1500	1

* Auxiliary contacts: two front mounted auxiliary contact blocks 1 NO + 1 NC are enclosed to contactor

Motor contactor CEM105.00; 140A(AC1); 105A; 55kW(AC3)

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM105.00-24V-50/60Hz	004652100		1470	1
CEM105.00-48V-50/60Hz	004652101		1470	1
CEM105.00-110V-50/60Hz	004652102		1470	1
CEM105.00-230V-50/60Hz	004652103		1470	1
CEM105.00-400V-50/60Hz	004652104		1470	1
CEM105.00-24V DC **	004652200		1500	1
CEM105.00-220V DC **	004652201		1500	1

Motor contactor CEM105.11; 140A(AC1); 105A; 55kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM105.11-24V-50/60Hz	004652130		1470	1
CEM105.11-48V-50/60Hz	004652131		1470	1
CEM105.11-110V-50/60Hz	004652132		1470	1
CEM105.11-230V-50/60Hz	004652133		1470	1
CEM105.11-400V-50/60Hz	004652134		1470	1
CEM105.11-24V DC **	004652230		1500	1
CEM105.11-220V DC **	004652231		1500	1

* Auxiliary contacts: two front mounted auxiliary contact blocks 1 NO + 1 NC are enclosed to contactor

** Range of operating voltages is shown in the technical part of catalogue

Motor contactor CEM112.22(E); 180A(AC1); 112A; 55kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM112.22-24V-50/60Hz	004653140		2400	1
CEM112.22-48V-50/60Hz	004653141			
CEM112.22-110V-50/60Hz	004653142			
CEM112.22-230V-50/60Hz	004653143			
CEM112.22-400V-50/60Hz	004653144			
CEM112E.22-28V AC/DC **	004646018			
CEM112E.22-130V AC/DC **	004646019			
CEM112E.22-250V AC/DC **	004646020			
CEM112E.22-415V AC/DC **	004646021			

* Integrated auxiliary contacts: two side mounted auxiliary contact blocks 2 X (1NO + 1 NC)

Motor contactor CEM150E.22; 225A(AC1); 150A; 75kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM150E.22-28V AC/DC **	004654240		2400	1
CEM150E.22-130V AC/DC **	004646023			
CEM150E.22-250V AC/DC **	004654241			
CEM150E.22-415V AC/DC **	004646025			

* Integrated auxiliary contacts: two side mounted auxiliary contact blocks 2 X (1NO + 1 NC)

Motor contactor CEM180.22(E); 225A(AC1); 180A; 90kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM180.22-24V-50/60Hz	004655140		3900	1
CEM180.22-48V-50/60Hz	004655141			
CEM180.22-110V-50/60Hz	004655142			
CEM180.22-230V-50/60Hz	004655143			
CEM180.22-400V-50/60Hz	004655144			
CEM180E.22-28V AC/DC **	004646029			
CEM180E.22-130V AC/DC **	004646026			
CEM180E.22-250V AC/DC **	004646027			
CEM180E.22-415V AC/DC **	004646028			

* Integrated auxiliary contacts: two side mounted auxiliary contact blocks 2 X (1NO + 1 NC)

Motor contactor CEM250.22(E); 350A(AC1); 250A; 132kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM250.22-24V-50/60Hz	004656140		6000	1
CEM250.22-48V-50/60Hz	004656141			
CEM250.22-110V-50/60Hz	004656142			
CEM250.22-230V-50/60Hz	004656143			
CEM250.22-400V-50/60Hz	004656144			
CEM250E.22-28V AC/DC **	004646030			
CEM250E.22-130V AC/DC **	004646031			
CEM250E.22-250V AC/DC **	004646032			
CEM250E.22-415V AC/DC **	004646033			

* Integrated auxiliary contacts: two side mounted auxiliary contact blocks 2 X (1NO + 1 NC)

** Range of operating voltages is shown in the technical part of catalogue

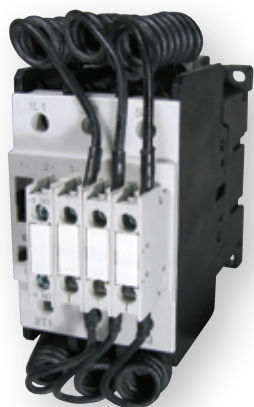
Motor contactor CEM300.22(E), 410A(AC1), 300A, 160kW(AC3)*

type	code No.	wiring diagram	weight [g]	packaging [pcs]
CEM300E.22-28V AC/DC	004656300		6900	1
CEM300E.22-50V AC/DC	004656301			
CEM300E.22-72V AC/DC	004656302			
CEM300E.22-130V AC/DC	004656303			
CEM300E.22-250V AC/DC	004656304			
CEM300E.22-415V AC/DC	004656305			

* Integrated auxiliary contacts: two side mounted auxiliary contact blocks 2 X (1NO + 1 NC)



Capacitor duty contactor CEM_C



Application

Contactors for capacitor switching were specially designed for power factor correction capacitor operation (utilization category AC-6b). Capacitors are pre-charged through resistors that reduce the peak current to the contactor when CEM_C special contactors are switched on. After the pre-charge, the main contactors close allowing passage of rated current.

Advantages

- Mounting on DIN rails and on mounting plates
- Technical specification according to IEC 60947-4
- Built-in pre-charge resistors
- High reliability
- Reduced dimensions
- Standard control voltage 230V AC

Capacitor duty contactor CEM_C

type	code No.	rated oper. power 380/415V (kVAr)	aux. contacts built-in	weight [g]	packaging [pcs]
CEM25C-230V-50/60Hz	004645115	15	1NO	610	1
CEM32C-230V-50/60Hz	004646115	25	1NO	980	1
CEM50C-230V-50/60Hz	004648115	40	1NO	1400	1
CEM65C-230V-50/60Hz	004649115	50	1NO	1400	1

Accessories



Auxiliary contact block - front mounted

type	code No.	description	for use with	wiring diagram	weight [g]	packaging [pcs]
BCXMF10	004641510	1 NO	CEM9-CEM105		15	1
BCXMF01	004641501	1 NC	CEM9-CEM105		15	1
BCXMAE10	004642510	1 NO early-make	CEM9-CEM105		15	1
BCXMFRE01	004643510	1 NC late-brake	CEM9-CEM105		15	1

available free aux. contact blocks places:

CEM 9 CEM 40: 4 contact blocks
 CEM 50 CEM 105: 6 contact blocks
 CEM 112 CEM 300: mounting not available



Auxiliary contact block - lateral

type	code No.	description	for use with	wiring diagram	weight [g]	packaging [pcs]
BCXMLE11	004644511	1 NO - 1 NC (main)	CAEM4, CEM9-CEM250		15	1
BCXMLE20	004644520	2 NO (main)	CAEM4, CEM9-CEM250		15	1
BCXMRLE11	004645511	1 NO - 1 NC side mounted (upgraded)	CAEM4, CEM9-CEM250		15	1
BCXMRLE20	004645520	2 NO side mounted (upgraded)	CAEM4, CEM9-CEM250		15	1

Main" lateral auxiliary contact block can be mounted on the front side of the contactor, it can be upgraded max. with one additional auxiliary contact block.

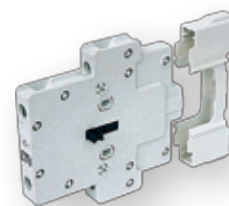
Max. number of auxiliary contacts together (top and side mounted):
 max. 4: CEM9-CEM25, CAEM 4
 max. 6: CEM32-CEM40
 max. 8: CEM50-CEM105
 max. 8: CEM112-CEM300

Mechanical interlock

type	code No.	for use with	weight [g]	packaging [pcs]
BLIME 9-10S	004643601	CEM9-CEM10S	50	1
BLIME 112-300E	004643602	CEM112(E)-CEM250(E)	150	1

Surge suppressor

type	code No.	coil voltage	for use with	weight [g]	packaging [pcs]
RCE01	004641701	24-48 VAC	CE07, CEI07	14	1
RCE06	004641702	110-220 VAC	CE07, CEI07	14	1
RCE10	004641703	380-400 VAC	CE07, CEI07	14	1
BAMRCE4	004642701	24-48 VAC	CEM9-CEM40	14	1
BAMRCE5	004642702	50-127 VAC	CEM9-CEM40	14	1
BAMRCE6	004642703	130-250 VAC	CEM9-CEM40	14	1
BAMRCE7	004642705	24-48 VAC	CEM50-CEM10S	14	1
BAMRCE8	004642706	50-127 VAC	CEM50-CEM10S	14	1
BAMRCE9	004642707	130-250 VAC	CEM50-CEM10S	14	1
BAMDIE10	004643701	12-600 VDC	CEM9-CEM10S	14	1
BAMRCE13	004642708	24-48 VAC	CEM112-CEM250	14	1
BAMRCE14	004642711	50-250 VAC	CEM112-CEM250	14	1

**Overload relay****Overload relay RE17D**

type	code No.	current setting range [A]	for use with	weight [g]	packaging [pcs]
RE17D-0,4	004641400	0,28-0,4	CE07	150	1
RE17D-0,63	004641401	0,4-0,63			
RE17D-0,8	004641402	0,56-0,8			
RE17D-1,2	004641403	0,8-1,2			
RE17D-1,8	004641404	1,2-1,8			
RE17D-2,8	004641405	1,8-2,8			
RE17D-4,0	004641406	2,8-4,0			
RE17D-6,3	004641407	4-6,3			
RE17D-8,0	004641408	5,6-8			
RE17D-10	004641409	7-10			
RE17D-12,5	004641410	8-12,5			
RE17D-15	004641411	10-15			
RE17D-17	004641412	15-17			

Overload relay RE27D

type	code No.	current setting range [A]	for use with	weight [g]	packaging [pcs]
RE27D-0,4	004642400	0,28-0,4	CEM09 ... CEM25	147	1
RE27D-0,63	004642401	0,4-0,63			
RE27D-0,8	004642402	0,56-0,8			
RE27D-1,2	004642403	0,8-1,2			
RE27D-1,8	004642404	1,2-1,8			
RE27D-2,8	004642405	1,8-2,8			
RE27D-4,0	004642406	2,8-4,0			
RE27D-6,3	004642407	4-6,3			
RE27D-8,0	004642408	5,6-8			
RE27D-10	004642409	7-10			
RE27D-12,5	004642410	8-12,5			
RE27D-15	004642411	10-15			
RE27D-17	004642412	11-17			
RE27D-23	004642413	15-23			
RE27D-32	004642414	22-32			



**Overload relay RE67.1D**

type	code No.	current setting range [A]	for use with	weight [g]	packaging [pcs]
RE67.1D-40	004643415	25-40	CEM32... CEM40	300	1
RE67.1D-50	004643416	32-50			

**Overload relay RE67.2D**

type	code No.	current setting range [A]	for use with	weight [g]	packaging [pcs]
RE67.2D-57	004644417	40-57	CEM50 ... CEM80	310	1
RE67.2D-63	004644418	50-63			
RE67.2D-70	004644419	57-70			
RE67.2D-80	004644420	63-80			

**Overload relay RE117.1D**

type	code No.	current setting range [A]	for use with	weight [g]	packaging [pcs]
RE117.1D-97	004645421	75-97	CEM95... CEM105	520	1
RE117.1D-112	004645422	90-112			

**Overload relay RE117.2D**

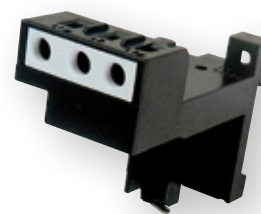
type	code No.	current setting range [A]	for use with	weight [g]	packaging [pcs]
RE117.2D-97	004646421	75-97	CEM112(E)	550	1
RE117.2D-112	004646422	90-112			

**Overload relay RE317.2D**

type	code No.	current setting range [A]	for use with	weight [g]	packaging [pcs]
RE317D-150	004647423	100-150	CEM150(E) ... CEM250(E)	900	1
RE317D-215	004647424	140-215			
RE317D-310	004647425	200-310			

Overload relay mounting kits for rails TH35

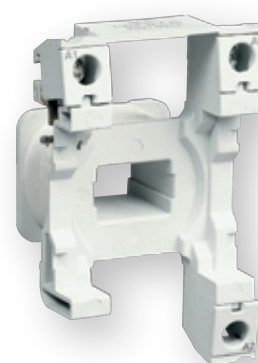
type	code No.	for use with	weight [g]	packaging [pcs]
BF27D	004641901	RE27D	50	1
BF67.1D	004641902	RE67.1,	95	1
BF67.2D	004641904	RE67.2	95	1
BF117D	004641903	RE117.1D	110	1

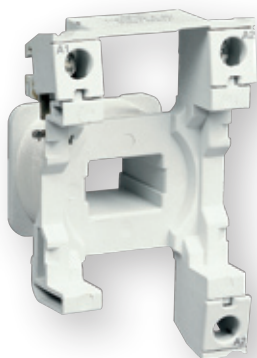
**Individual coil for control voltage contactor****Individual coil for control voltage contactor**

type	code No.	AC; DC coil	for use with	weight [g]	packaging [pcs]
BCAE4-25-24 V-50/60 Hz	004641810	AC	CEM9 - CEM 25	65	1
BCAE4-25-48 V-50/60 Hz	004641811	AC			
BCAE4-25-110 V-50/60 Hz	004641812	AC			
BCAE4-25-230 V-50/60 Hz	004641813	AC			
BCAE4-25-400 V-50/60 Hz	004641814	AC			
BCCE-25-24 V DC	004642810	DC			
BCCE-25-48 V DC	004642811	DC			
BCCE-25-110 V DC	004642812	DC			
BCCE-25-220 V DC	004642813	DC			
BCAE-40-24 V-50/60 Hz	004641820	AC	CEM32 - CEM40	110	
BCAE-40-48 V-50/60 Hz	004641821	AC			
BCAE-40-110 V-50/60 Hz	004641822	AC			
BCAE-40-230 V-50/60 Hz	004641823	AC			
BCAE-40-400 V-50/60 Hz	004641824	AC			
BCCE-40-24 V DC	004642820	DC			
BCCE-40-48 V DC	004642821	DC			
BCCE-40-110 V DC	004642822	DC			
BCCE-40-220 V DC	004642823	DC			
BCAE-105-24 V-50/60 Hz	004641830	AC	CEM50 - CEM105	140	
BCAE-105-48 V-50/60 Hz	004641831	AC			
BCAE-105-110 V-50/60 Hz	004641832	AC			
BCAE-105-230 V-50/60 Hz	004641833	AC			
BCAE-105-400 V-50/60 Hz	004641834	AC			
BCCE-105-24 V DC	004642830	DC			
BCCE-105-48 V DC	004642831	DC			
BCCE-105-110 V DC	004642832	DC			
BCCE-105-220 V DC	004642833	DC			
BCAE-112-24 V-50/60 Hz	004641840	AC	CEM112	235	
BCAE-112-48 V-50/60 Hz	004641841	AC			
BCAE-112-110 V-50/60 Hz	004641842	AC			
BCAE-112-230 V-50/60 Hz	004641843	AC			
BCAE-112-400 V-50/60 Hz	004641844	AC			
BCAE-180-24 V-50/60 Hz	004641850	AC	CEM180	400	
BCAE-180-48 V-50/60 Hz	004641851	AC			
BCAE-180-110 V-50/60 Hz	004641852	AC			
BCAE-180-230 V-50/60 Hz	004641853	AC			
BCAE-180-400 V-50/60Hz	004641854	AC			
BCAE-250-24 V-50/60 Hz	004641860	AC	CEM250	675	
BCAE-250-48 V-50/60 Hz	004641861	AC			
BCAE-250-110 V-50/60 Hz	004641862	AC			
BCAE-250-230 V-50/60 Hz	004641863	AC			
BCAE-250-400 V-50/60 Hz	004641864	AC			

Note:

- Only AC coils can be fitted to AC controlled contactors.
- Only DC coils can be fitted to DC controlled contactors.



**Individual coil for control voltage contactor**

type	code No.	AC/CD coil	for use with	weight [g]	packaging [pcs]
BCEE-150E-28 V	004646044	AC/DC	CEM112E - CEM150E	235	1
BCEE-150E-130 V	004646045				
BCEE-150E-250 V	004646046				
BCEE-150E-415 V	004646047				
BCEE-180E-28 V	004646048		CEM180E	400	
BCEE-180E-130 V	004646049				
BCEE-180E-250 V	004646050				
BCEE-180E-415 V	004646051				
BCEE-300E-28 V	004646052		CEM250E - CEM300E	670	
BCEE-300E-130 V	004646053				
BCEE-300E-250 V	004646054				
BCEE-300E-415 V	004646055				

**Electronic modules for BCEE coils**

type	code No.	AC/CD coil	for use with	weight [g]	packaging [pcs]
MEE-300 28V-AC/DC	004646070	AC/DC	BCEE-150E-28 V, BCEE-180E-28 V, BCEE-300E-28 V	96	1
MEE-300 110V-AC/DC	004646072		BCEE-150E-130 V, BCEE-180E-130 V, BCEE-300E-130 V		
MEE-300 250V-AC/DC	004646073		BCEE-150E-250 V, BCEE-180E-250 V, BCEE-300E-250 V		
MEE-300 415V-AC/DC	004646074		BCEE-150E-415 V, BCEE-180E-415 V, BCEE-300E-415 V		