

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

IE3 CONFORM



Ordering:

CEM9.01-230V-50/60Hz

I(AC3)[A]

Coil voltage

Nr. of NO Nr. of NC - Number and type of auxiliary contacts

Advantages



→ The possibility of replacing the coil to other rated voltage. (AC coil compatible only with AC contactor. DC coil compatible only with DC contactor)



→ Surge suppressors can be mounted as close as possible to source (coil).



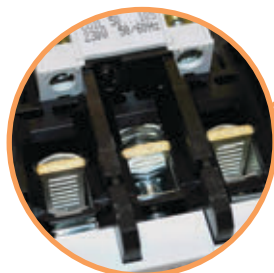
→ Lateral (side mounting) of auxiliary contacts.



→ Front mounted auxiliary contacts



→ Mechanical interlock can lock two different size contactors



→ Special designed terminals provide reliable contact with cables.



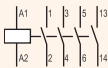
→ Up to CEM105 possible to mount on DIN rail TH35 or directly on panel.



→ Overload relay (bimetal) can be mounted directly on contactor or on DIN rail TH35 by using an adapter

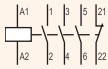


Motor contactor CEM9.10; 25A(AC1); 9A; 4kW(AC3)*

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)*

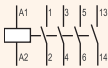
Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
CEM9.01-24V-50/60Hz	004642110		295	1
CEM9.01-48V-50/60Hz	004642111		295	1
CEM9.01-110V-50/60Hz	004642112		295	1
CEM9.01-230V-50/60Hz	004642113		295	1
CEM9.01-400V-50/60Hz	004642114		295	1
CEM9.01-24V DC	004642210		510	1
CEM9.01-220V DC	004642211		510	1

* Auxiliary contact 1NC integrated



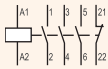
For auxiliary contact blocks, see page 230

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

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		

