

Contactors **Ex9C** up to 100 A

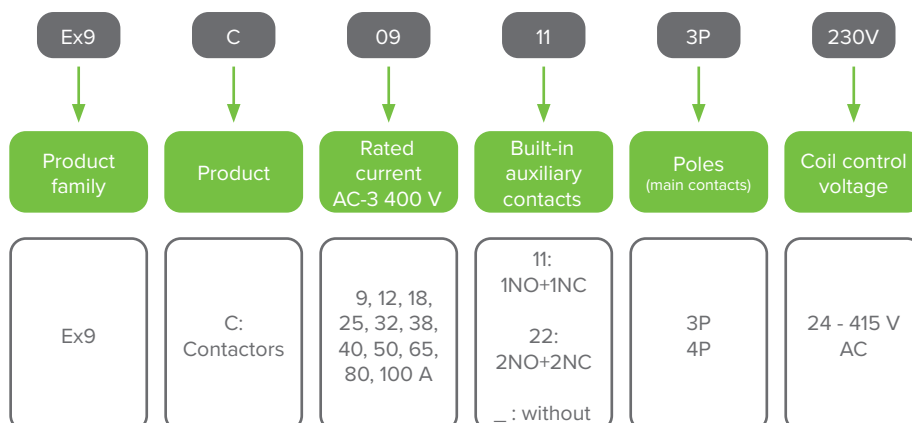


- Contactors according to IEC / EN 60947-4-1
- Four frame sizes with rated current up to 100 A at 400 V AC-3
- 3 and 4-pole versions
- Coil control voltage 24 — 415 V AC
- Rated conditional short circuit current $I_q = 50$ kA
- Suitable mainly for industrial applications, can be used also for domestic ones
- Mounting onto device rail (DIN) 35 or 75 mm (frame sizes 65 and 100) or onto panel

Ex9C contactors are intended for various applications including heavy industrial ones. Splitting into four frame sizes brings optimization of electrical parameters and mechanical dimensions. All these frame sizes share accessory auxiliary contacts. Overload relays Ex9R differ with the frame sizes in order to fit respective contactor of given rated current.

Frame size 18 contains contactors with rated currents AC-3 9, 12 and 18 A at 400 V. Size 38 consists of rated currents 25, 32, 38 A. Version 65 is splitted into currents 40, 50 and 65 A. Finally frame size 100 is covered with rated currents 80 and 100 A.

Type Key



Certification marks



Contactors **Ex9C** up to 100 A

3 Pole version frame sizes



Frame size 18
Rated currents 9, 12, 18 A



Frame size 38
Rated currents 25, 32, 38 A



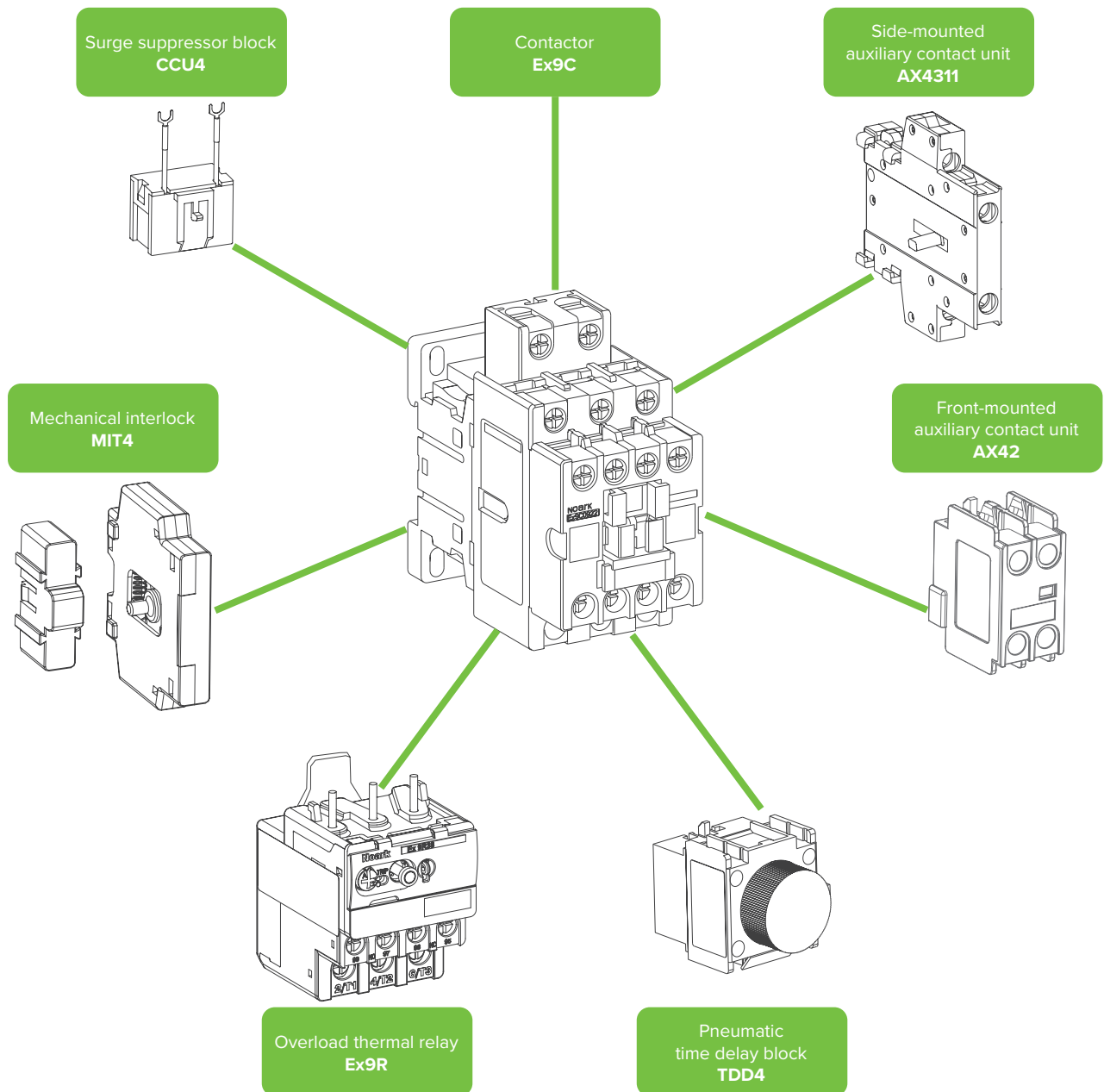
Frame size 65
Rated currents 40, 50, 65 A



Frame size 100
Rated currents 80, 100 A

Contactor Ex9C up to 100 A

3 Pole Accessories



Auxiliary contacts AX4311

Auxiliary contacts AX42

Overload thermal relays Ex9R

Pneumatic time delay block TDD4

Surge suppressor block CCU4

Mechanical interlock MIT4

Contactors Ex9C up to 65 A

4 Pole version frame sizes



Frame size 18
Rated currents 9, 12, 18 A



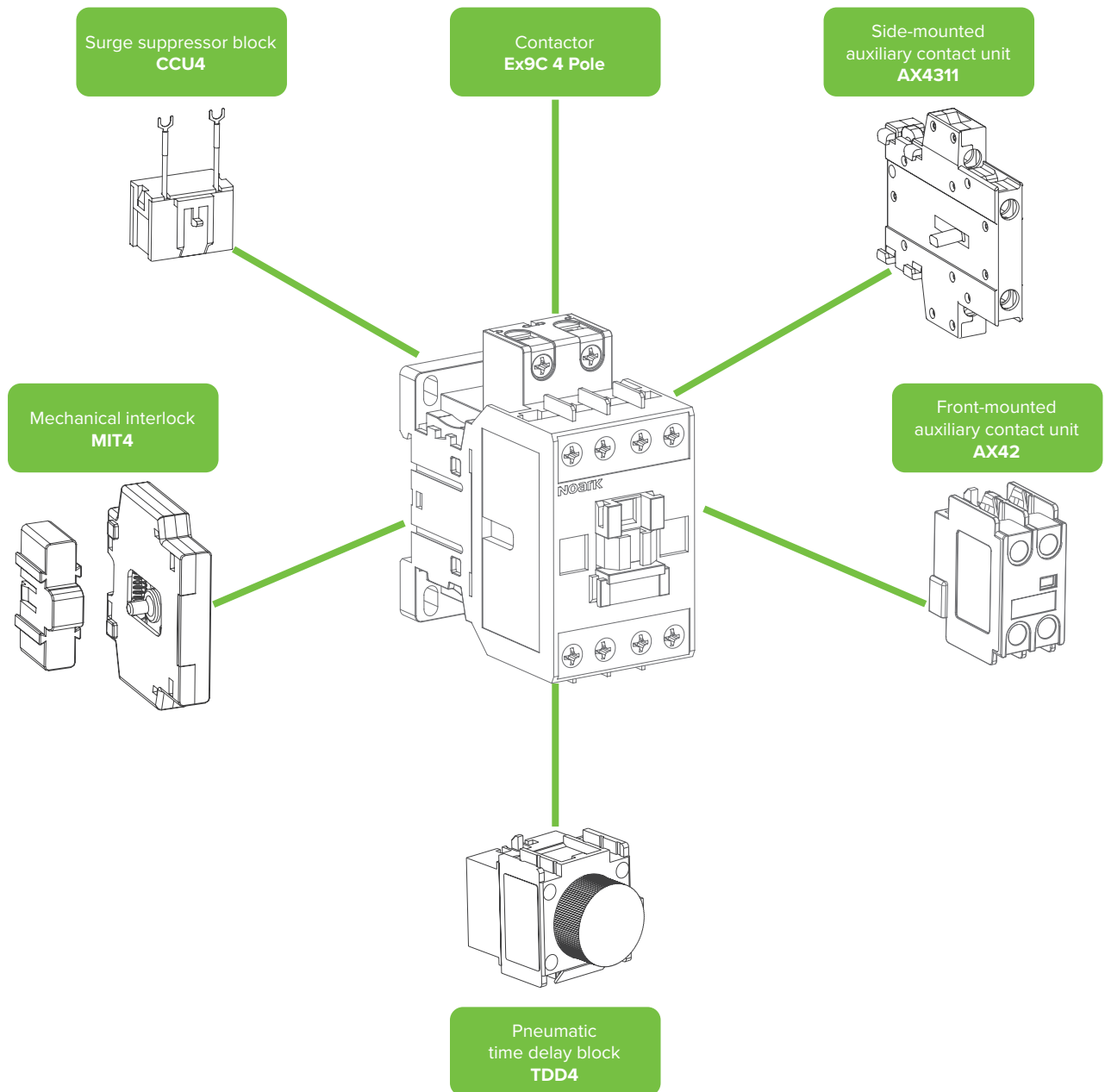
Frame size 38
Rated currents 25, 32, 38 A



Frame size 65
Rated currents 40, 50, 65 A

Contactors **Ex9C** up to 65 A

4 Pole Accessories



Auxiliary contacts AX4311

Auxiliary contacts AX42

Pneumatic time delay block TDD4

Surge suppressor block CCU4

Mechanical interlock MIT4

Contactors Ex9C, frame size 18

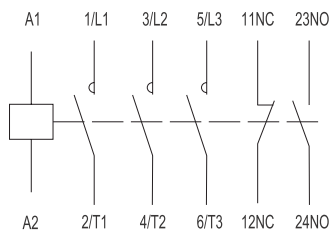
Rated current 9 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38

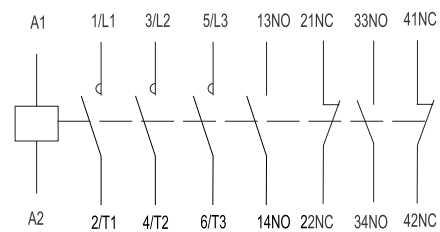


Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	9 A	18	3	1 NO + 1 NC	101100	Ex9C09 11 3P 415V	1/40
400 V AC	9 A	18	3	1 NO + 1 NC	101101	Ex9C09 11 3P 400V	1/40
380 V AC	9 A	18	3	1 NO + 1 NC	101102	Ex9C09 11 3P 380V	1/40
240 V AC	9 A	18	3	1 NO + 1 NC	101103	Ex9C09 11 3P 240V	1/40
230 V AC	9 A	18	3	1 NO + 1 NC	101104	Ex9C09 11 3P 230V	1/40
220 V AC	9 A	18	3	1 NO + 1 NC	101105	Ex9C09 11 3P 220V	1/40
127 V AC	9 A	18	3	1 NO + 1 NC	101106	Ex9C09 11 3P 127V	1/40
110 V AC	9 A	18	3	1 NO + 1 NC	101107	Ex9C09 11 3P 110V	1/40
48 V AC	9 A	18	3	1 NO + 1 NC	101108	Ex9C09 11 3P 48V	1/40
42 V AC	9 A	18	3	1 NO + 1 NC	101109	Ex9C09 11 3P 42V	1/40
36 V AC	9 A	18	3	1 NO + 1 NC	101110	Ex9C09 11 3P 36V	1/40
24 V AC	9 A	18	3	1 NO + 1 NC	101111	Ex9C09 11 3P 24V	1/40
415 V AC	9 A	18	3	2 NO + 2 NC	101112	Ex9C09 22 3P 415V	1/40
400 V AC	9 A	18	3	2 NO + 2 NC	101113	Ex9C09 22 3P 400V	1/40
380 V AC	9 A	18	3	2 NO + 2 NC	101114	Ex9C09 22 3P 380V	1/40
240 V AC	9 A	18	3	2 NO + 2 NC	101115	Ex9C09 22 3P 240V	1/40
230 V AC	9 A	18	3	2 NO + 2 NC	101116	Ex9C09 22 3P 230V	1/40
220 V AC	9 A	18	3	2 NO + 2 NC	101117	Ex9C09 22 3P 220V	1/40
127 V AC	9 A	18	3	2 NO + 2 NC	101118	Ex9C09 22 3P 127V	1/40
110 V AC	9 A	18	3	2 NO + 2 NC	101119	Ex9C09 22 3P 110V	1/40
48 V AC	9 A	18	3	2 NO + 2 NC	101120	Ex9C09 22 3P 48V	1/40
42 V AC	9 A	18	3	2 NO + 2 NC	101121	Ex9C09 22 3P 42V	1/40
36 V AC	9 A	18	3	2 NO + 2 NC	101122	Ex9C09 22 3P 36V	1/40
24 V AC	9 A	18	3	2 NO + 2 NC	101123	Ex9C09 22 3P 24V	1/40

Wiring diagrams



Ex9C09 11 3P



Ex9C09 22 3P

Contactors Ex9C, frame size 18

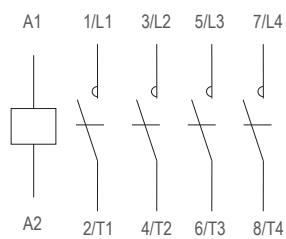
Rated current 9 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts

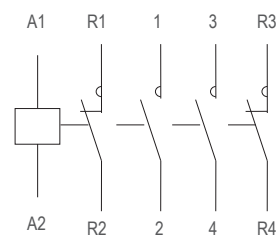


Control Voltage	I _c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	9 A	18	4	-	116588	Ex9C09 4P 415V	1/40
400 V AC	9 A	18	4	-	116589	Ex9C09 4P 400V	1/40
380 V AC	9 A	18	4	-	116590	Ex9C09 4P 380V	1/40
240 V AC	9 A	18	4	-	116591	Ex9C09 4P 240V	1/40
230 V AC	9 A	18	4	-	116592	Ex9C09 4P 230V	1/40
220 V AC	9 A	18	4	-	116593	Ex9C09 4P 220V	1/40
127 V AC	9 A	18	4	-	116594	Ex9C09 4P 127V	1/40
110 V AC	9 A	18	4	-	116595	Ex9C09 4P 110V	1/40
48 V AC	9 A	18	4	-	116596	Ex9C09 4P 48V	1/40
42 V AC	9 A	18	4	-	116597	Ex9C09 4P 42V	1/40
36 V AC	9 A	18	4	-	116598	Ex9C09 4P 36V	1/40
24 V AC	9 A	18	4	-	116599	Ex9C09 4P 24V	1/40
415 V AC	9 A	18	2+2	-	116600	Ex9C09 4P/22 415V	1/40
400 V AC	9 A	18	2+2	-	116601	Ex9C09 4P/22 400V	1/40
380 V AC	9 A	18	2+2	-	116602	Ex9C09 4P/22 380V	1/40
240 V AC	9 A	18	2+2	-	116603	Ex9C09 4P/22 240V	1/40
230 V AC	9 A	18	2+2	-	116604	Ex9C09 4P/22 230V	1/40
220 V AC	9 A	18	2+2	-	116605	Ex9C09 4P/22 220V	1/40
127 V AC	9 A	18	2+2	-	116606	Ex9C09 4P/22 127V	1/40
110 V AC	9 A	18	2+2	-	116607	Ex9C09 4P/22 110V	1/40
48 V AC	9 A	18	2+2	-	116608	Ex9C09 4P/22 48V	1/40
42 V AC	9 A	18	2+2	-	116609	Ex9C09 4P/22 42V	1/40
36 V AC	9 A	18	2+2	-	116610	Ex9C09 4P/22 36V	1/40
24 V AC	9 A	18	2+2	-	116611	Ex9C09 4P/22 24V	1/40

Wiring diagrams



Ex9C09 4P



Ex9C09 4P/22

Contactors Ex9C, frame size 18

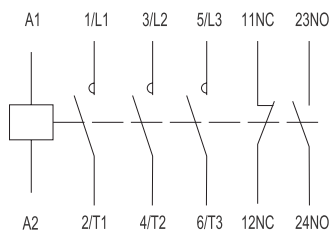
Rated current 12 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38

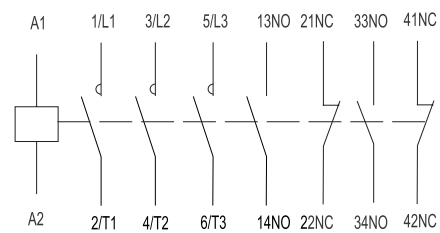


Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	12 A	18	3	1 NO + 1 NC	101124	Ex9C12 11 3P 415V	1/40
400 V AC	12 A	18	3	1 NO + 1 NC	101125	Ex9C12 11 3P 400V	1/40
380 V AC	12 A	18	3	1 NO + 1 NC	101126	Ex9C12 11 3P 380V	1/40
240 V AC	12 A	18	3	1 NO + 1 NC	101127	Ex9C12 11 3P 240V	1/40
230 V AC	12 A	18	3	1 NO + 1 NC	101128	Ex9C12 11 3P 230V	1/40
220 V AC	12 A	18	3	1 NO + 1 NC	101129	Ex9C12 11 3P 220V	1/40
127 V AC	12 A	18	3	1 NO + 1 NC	101130	Ex9C12 11 3P 127V	1/40
110 V AC	12 A	18	3	1 NO + 1 NC	101131	Ex9C12 11 3P 110V	1/40
48 V AC	12 A	18	3	1 NO + 1 NC	101132	Ex9C12 11 3P 48V	1/40
42 V AC	12 A	18	3	1 NO + 1 NC	101133	Ex9C12 11 3P 42V	1/40
36 V AC	12 A	18	3	1 NO + 1 NC	101134	Ex9C12 11 3P 36V	1/40
24 V AC	12 A	18	3	1 NO + 1 NC	101135	Ex9C12 11 3P 24V	1/40
415 V AC	12 A	18	3	2 NO + 2 NC	101136	Ex9C12 22 3P 415V	1/40
400 V AC	12 A	18	3	2 NO + 2 NC	101137	Ex9C12 22 3P 400V	1/40
380 V AC	12 A	18	3	2 NO + 2 NC	101138	Ex9C12 22 3P 380V	1/40
240 V AC	12 A	18	3	2 NO + 2 NC	101139	Ex9C12 22 3P 240V	1/40
230 V AC	12 A	18	3	2 NO + 2 NC	101140	Ex9C12 22 3P 230V	1/40
220 V AC	12 A	18	3	2 NO + 2 NC	101141	Ex9C12 22 3P 220V	1/40
127 V AC	12 A	18	3	2 NO + 2 NC	101142	Ex9C12 22 3P 127V	1/40
110 V AC	12 A	18	3	2 NO + 2 NC	101143	Ex9C12 22 3P 110V	1/40
48 V AC	12 A	18	3	2 NO + 2 NC	101144	Ex9C12 22 3P 48V	1/40
42 V AC	12 A	18	3	2 NO + 2 NC	101145	Ex9C12 22 3P 42V	1/40
36 V AC	12 A	18	3	2 NO + 2 NC	101146	Ex9C12 22 3P 36V	1/40
24 V AC	12 A	18	3	2 NO + 2 NC	101147	Ex9C12 22 3P 24V	1/40

Wiring diagrams



Ex9C12 11 3P



Ex9C12 22 3P

Contactors Ex9C, frame size 18

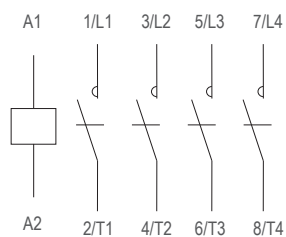
Rated current 12 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts

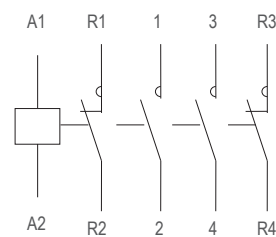


Control Voltage	I _c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	12 A	18	4	-	116612	Ex9C12 4P 415V	1/40
400 V AC	12 A	18	4	-	116613	Ex9C12 4P 400V	1/40
380 V AC	12 A	18	4	-	116614	Ex9C12 4P 380V	1/40
240 V AC	12 A	18	4	-	116615	Ex9C12 4P 240V	1/40
230 V AC	12 A	18	4	-	116616	Ex9C12 4P 230V	1/40
220 V AC	12 A	18	4	-	116617	Ex9C12 4P 220V	1/40
127 V AC	12 A	18	4	-	116618	Ex9C12 4P 127V	1/40
110 V AC	12 A	18	4	-	116619	Ex9C12 4P 110V	1/40
48 V AC	12 A	18	4	-	116620	Ex9C12 4P 48V	1/40
42 V AC	12 A	18	4	-	116621	Ex9C12 4P 42V	1/40
36 V AC	12 A	18	4	-	116622	Ex9C12 4P 36V	1/40
24 V AC	12 A	18	4	-	116623	Ex9C12 4P 24V	1/40
415 V AC	12 A	18	2+2	-	116624	Ex9C12 4P/22 415V	1/40
400 V AC	12 A	18	2+2	-	116625	Ex9C12 4P/22 400V	1/40
380 V AC	12 A	18	2+2	-	116626	Ex9C12 4P/22 380V	1/40
240 V AC	12 A	18	2+2	-	116627	Ex9C12 4P/22 240V	1/40
230 V AC	12 A	18	2+2	-	116628	Ex9C12 4P/22 230V	1/40
220 V AC	12 A	18	2+2	-	116629	Ex9C12 4P/22 220V	1/40
127 V AC	12 A	18	2+2	-	116630	Ex9C12 4P/22 127V	1/40
110 V AC	12 A	18	2+2	-	116631	Ex9C12 4P/22 110V	1/40
48 V AC	12 A	18	2+2	-	116632	Ex9C12 4P/22 48V	1/40
42 V AC	12 A	18	2+2	-	116633	Ex9C12 4P/22 42V	1/40
36 V AC	12 A	18	2+2	-	116634	Ex9C12 4P/22 36V	1/40
24 V AC	12 A	18	2+2	-	116635	Ex9C12 4P/22 24V	1/40

Wiring diagrams



Ex9C12 4P



Ex9C12 4P/22

Contactors Ex9C, frame size 18

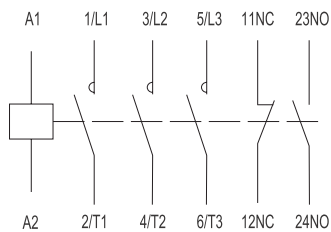
Rated current 18 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38

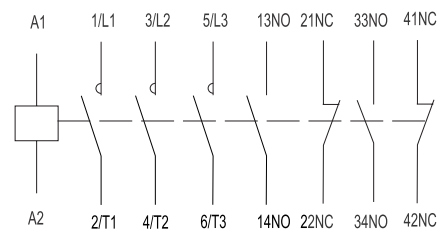


Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	18 A	18	3	1 NO + 1 NC	101148	Ex9C18 11 3P 415V	1/40
400 V AC	18 A	18	3	1 NO + 1 NC	101149	Ex9C18 11 3P 400V	1/40
380 V AC	18 A	18	3	1 NO + 1 NC	101150	Ex9C18 11 3P 380V	1/40
240 V AC	18 A	18	3	1 NO + 1 NC	101151	Ex9C18 11 3P 240V	1/40
230 V AC	18 A	18	3	1 NO + 1 NC	101152	Ex9C18 11 3P 230V	1/40
220 V AC	18 A	18	3	1 NO + 1 NC	101153	Ex9C18 11 3P 220V	1/40
127 V AC	18 A	18	3	1 NO + 1 NC	101154	Ex9C18 11 3P 127V	1/40
110 V AC	18 A	18	3	1 NO + 1 NC	101155	Ex9C18 11 3P 110V	1/40
48 V AC	18 A	18	3	1 NO + 1 NC	101156	Ex9C18 11 3P 48V	1/40
42 V AC	18 A	18	3	1 NO + 1 NC	101157	Ex9C18 11 3P 42V	1/40
36 V AC	18 A	18	3	1 NO + 1 NC	101158	Ex9C18 11 3P 36V	1/40
24 V AC	18 A	18	3	1 NO + 1 NC	101159	Ex9C18 11 3P 24V	1/40
415 V AC	18 A	18	3	2 NO + 2 NC	101160	Ex9C18 22 3P 415V	1/40
400 V AC	18 A	18	3	2 NO + 2 NC	101161	Ex9C18 22 3P 400V	1/40
380 V AC	18 A	18	3	2 NO + 2 NC	101162	Ex9C18 22 3P 380V	1/40
240 V AC	18 A	18	3	2 NO + 2 NC	101163	Ex9C18 22 3P 240V	1/40
230 V AC	18 A	18	3	2 NO + 2 NC	101164	Ex9C18 22 3P 230V	1/40
220 V AC	18 A	18	3	2 NO + 2 NC	101165	Ex9C18 22 3P 220V	1/40
127 V AC	18 A	18	3	2 NO + 2 NC	101166	Ex9C18 22 3P 127V	1/40
110 V AC	18 A	18	3	2 NO + 2 NC	101167	Ex9C18 22 3P 110V	1/40
48 V AC	18 A	18	3	2 NO + 2 NC	101168	Ex9C18 22 3P 48V	1/40
42 V AC	18 A	18	3	2 NO + 2 NC	101169	Ex9C18 22 3P 42V	1/40
36 V AC	18 A	18	3	2 NO + 2 NC	101170	Ex9C18 22 3P 36V	1/40
24 V AC	18 A	18	3	2 NO + 2 NC	101171	Ex9C18 22 3P 24V	1/40

Wiring diagrams



Ex9C18 11 3P



Ex9C18 22 3P

Contactors Ex9C, frame size 18

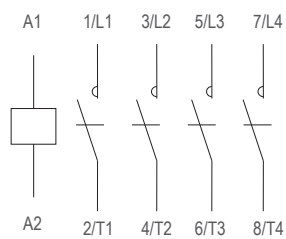
Rated current 18 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts

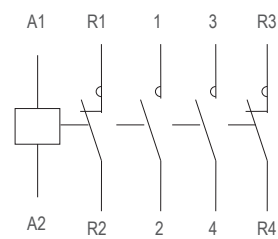


Control Voltage	I _c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	18 A	18	4	-	116636	Ex9C18 4P 415V	1/40
400 V AC	18 A	18	4	-	116637	Ex9C18 4P 400V	1/40
380 V AC	18 A	18	4	-	116638	Ex9C18 4P 380V	1/40
240 V AC	18 A	18	4	-	116639	Ex9C18 4P 240V	1/40
230 V AC	18 A	18	4	-	116640	Ex9C18 4P 230V	1/40
220 V AC	18 A	18	4	-	116641	Ex9C18 4P 220V	1/40
127 V AC	18 A	18	4	-	116642	Ex9C18 4P 127V	1/40
110 V AC	18 A	18	4	-	116643	Ex9C18 4P 110V	1/40
48 V AC	18 A	18	4	-	116644	Ex9C18 4P 48V	1/40
42 V AC	18 A	18	4	-	116645	Ex9C18 4P 42V	1/40
36 V AC	18 A	18	4	-	116646	Ex9C18 4P 36V	1/40
24 V AC	18 A	18	4	-	116647	Ex9C18 4P 24V	1/40
415 V AC	18 A	18	2+2	-	116648	Ex9C18 4P/22 415V	1/40
400 V AC	18 A	18	2+2	-	116649	Ex9C18 4P/22 400V	1/40
380 V AC	18 A	18	2+2	-	116650	Ex9C18 4P/22 380V	1/40
240 V AC	18 A	18	2+2	-	116651	Ex9C18 4P/22 240V	1/40
230 V AC	18 A	18	2+2	-	116652	Ex9C18 4P/22 230V	1/40
220 V AC	18 A	18	2+2	-	116653	Ex9C18 4P/22 220V	1/40
127 V AC	18 A	18	2+2	-	116654	Ex9C18 4P/22 127V	1/40
110 V AC	18 A	18	2+2	-	116655	Ex9C18 4P/22 110V	1/40
48 V AC	18 A	18	2+2	-	116656	Ex9C18 4P/22 48V	1/40
42 V AC	18 A	18	2+2	-	116657	Ex9C18 4P/22 42V	1/40
36 V AC	18 A	18	2+2	-	116658	Ex9C18 4P/22 36V	1/40
24 V AC	18 A	18	2+2	-	116659	Ex9C18 4P/22 24V	1/40

Wiring diagrams



Ex9C18 4P



Ex9C18 4P/22

Contactors Ex9C, frame size 38

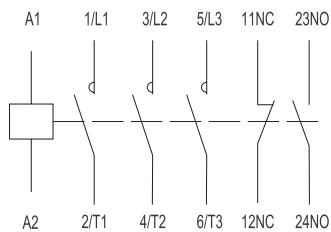
Rated current 25 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38

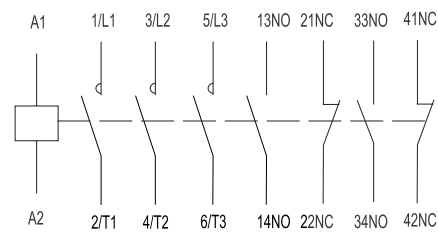


Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	25 A	38	3	1 NO + 1 NC	101172	Ex9C25 11 3P 415V	1/20
400 V AC	25 A	38	3	1 NO + 1 NC	101173	Ex9C25 11 3P 400V	1/20
380 V AC	25 A	38	3	1 NO + 1 NC	101174	Ex9C25 11 3P 380V	1/20
240 V AC	25 A	38	3	1 NO + 1 NC	101175	Ex9C25 11 3P 240V	1/20
230 V AC	25 A	38	3	1 NO + 1 NC	101176	Ex9C25 11 3P 230V	1/20
220 V AC	25 A	38	3	1 NO + 1 NC	101177	Ex9C25 11 3P 220V	1/20
127 V AC	25 A	38	3	1 NO + 1 NC	101178	Ex9C25 11 3P 127V	1/20
110 V AC	25 A	38	3	1 NO + 1 NC	101179	Ex9C25 11 3P 110V	1/20
48 V AC	25 A	38	3	1 NO + 1 NC	101180	Ex9C25 11 3P 48V	1/20
42 V AC	25 A	38	3	1 NO + 1 NC	101181	Ex9C25 11 3P 42V	1/20
36 V AC	25 A	38	3	1 NO + 1 NC	101182	Ex9C25 11 3P 36V	1/20
24 V AC	25 A	38	3	1 NO + 1 NC	101183	Ex9C25 11 3P 24V	1/20
415 V AC	25 A	38	3	2 NO + 2 NC	101184	Ex9C25 22 3P 415V	1/20
400 V AC	25 A	38	3	2 NO + 2 NC	101185	Ex9C25 22 3P 400V	1/20
380 V AC	25 A	38	3	2 NO + 2 NC	101186	Ex9C25 22 3P 380V	1/20
240 V AC	25 A	38	3	2 NO + 2 NC	101187	Ex9C25 22 3P 240V	1/20
230 V AC	25 A	38	3	2 NO + 2 NC	101188	Ex9C25 22 3P 230V	1/20
220 V AC	25 A	38	3	2 NO + 2 NC	101189	Ex9C25 22 3P 220V	1/20
127 V AC	25 A	38	3	2 NO + 2 NC	101190	Ex9C25 22 3P 127V	1/20
110 V AC	25 A	38	3	2 NO + 2 NC	101191	Ex9C25 22 3P 110V	1/20
48 V AC	25 A	38	3	2 NO + 2 NC	101192	Ex9C25 22 3P 48V	1/20
42 V AC	25 A	38	3	2 NO + 2 NC	101193	Ex9C25 22 3P 42V	1/20
36 V AC	25 A	38	3	2 NO + 2 NC	101194	Ex9C25 22 3P 36V	1/20
24 V AC	25 A	38	3	2 NO + 2 NC	101195	Ex9C25 22 3P 24V	1/20

Wiring diagrams



Ex9C25 11 3P



Ex9C25 22 3P

Contactors Ex9C, frame size 38

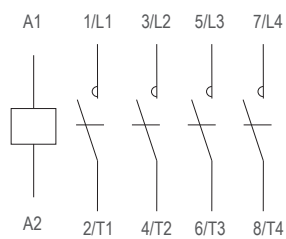
Rated current 25 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts

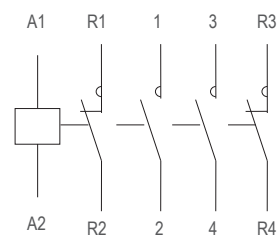


Control Voltage	I _c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	25 A	38	4	-	116660	Ex9C25 4P 415V	1/40
400 V AC	25 A	38	4	-	116661	Ex9C25 4P 400V	1/40
380 V AC	25 A	38	4	-	116662	Ex9C25 4P 380V	1/40
240 V AC	25 A	38	4	-	116663	Ex9C25 4P 240V	1/40
230 V AC	25 A	38	4	-	116664	Ex9C25 4P 230V	1/40
220 V AC	25 A	38	4	-	116665	Ex9C25 4P 220V	1/40
127 V AC	25 A	38	4	-	116666	Ex9C25 4P 127V	1/40
110 V AC	25 A	38	4	-	116667	Ex9C25 4P 110V	1/40
48 V AC	25 A	38	4	-	116668	Ex9C25 4P 48V	1/40
42 V AC	25 A	38	4	-	116669	Ex9C25 4P 42V	1/40
36 V AC	25 A	38	4	-	116670	Ex9C25 4P 36V	1/40
24 V AC	25 A	38	4	-	116671	Ex9C25 4P 24V	1/40
415 V AC	25 A	38	2+2	-	116672	Ex9C25 4P/22 415V	1/40
400 V AC	25 A	38	2+2	-	116673	Ex9C25 4P/22 400V	1/40
380 V AC	25 A	38	2+2	-	116674	Ex9C25 4P/22 380V	1/40
240 V AC	25 A	38	2+2	-	116675	Ex9C25 4P/22 240V	1/40
230 V AC	25 A	38	2+2	-	116676	Ex9C25 4P/22 230V	1/40
220 V AC	25 A	38	2+2	-	116677	Ex9C25 4P/22 220V	1/40
127 V AC	25 A	38	2+2	-	116678	Ex9C25 4P/22 127V	1/40
110 V AC	25 A	38	2+2	-	116679	Ex9C25 4P/22 110V	1/40
48 V AC	25 A	38	2+2	-	116680	Ex9C25 4P/22 48V	1/40
42 V AC	25 A	38	2+2	-	116681	Ex9C25 4P/22 42V	1/40
36 V AC	25 A	38	2+2	-	116682	Ex9C25 4P/22 36V	1/40
24 V AC	25 A	38	2+2	-	116683	Ex9C25 4P/22 24V	1/40

Wiring diagrams



Ex9C25 4P



Ex9C25 4P/22

Contactors Ex9C, frame size 38

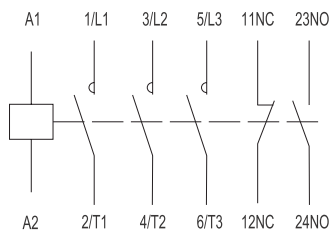
Rated current 32 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38

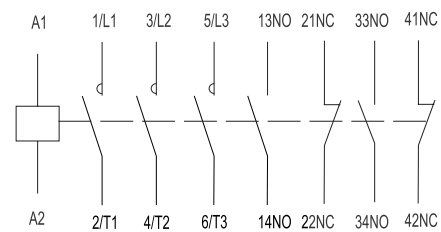


Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	32 A	38	3	1 NO + 1 NC	101196	Ex9C32 11 3P 415V	1/20
400 V AC	32 A	38	3	1 NO + 1 NC	101197	Ex9C32 11 3P 400V	1/20
380 V AC	32 A	38	3	1 NO + 1 NC	101198	Ex9C32 11 3P 380V	1/20
240 V AC	32 A	38	3	1 NO + 1 NC	101199	Ex9C32 11 3P 240V	1/20
230 V AC	32 A	38	3	1 NO + 1 NC	101200	Ex9C32 11 3P 230V	1/20
220 V AC	32 A	38	3	1 NO + 1 NC	101201	Ex9C32 11 3P 220V	1/20
127 V AC	32 A	38	3	1 NO + 1 NC	101202	Ex9C32 11 3P 127V	1/20
110 V AC	32 A	38	3	1 NO + 1 NC	101203	Ex9C32 11 3P 110V	1/20
48 V AC	32 A	38	3	1 NO + 1 NC	101204	Ex9C32 11 3P 48V	1/20
42 V AC	32 A	38	3	1 NO + 1 NC	101205	Ex9C32 11 3P 42V	1/20
36 V AC	32 A	38	3	1 NO + 1 NC	101206	Ex9C32 11 3P 36V	1/20
24 V AC	32 A	38	3	1 NO + 1 NC	101207	Ex9C32 11 3P 24V	1/20
415 V AC	32 A	38	3	2 NO + 2 NC	101208	Ex9C32 22 3P 415V	1/20
400 V AC	32 A	38	3	2 NO + 2 NC	101209	Ex9C32 22 3P 400V	1/20
380 V AC	32 A	38	3	2 NO + 2 NC	101210	Ex9C32 22 3P 380V	1/20
240 V AC	32 A	38	3	2 NO + 2 NC	101211	Ex9C32 22 3P 240V	1/20
230 V AC	32 A	38	3	2 NO + 2 NC	101212	Ex9C32 22 3P 230V	1/20
220 V AC	32 A	38	3	2 NO + 2 NC	101213	Ex9C32 22 3P 220V	1/20
127 V AC	32 A	38	3	2 NO + 2 NC	101214	Ex9C32 22 3P 127V	1/20
110 V AC	32 A	38	3	2 NO + 2 NC	101215	Ex9C32 22 3P 110V	1/20
48 V AC	32 A	38	3	2 NO + 2 NC	101216	Ex9C32 22 3P 48V	1/20
42 V AC	32 A	38	3	2 NO + 2 NC	101217	Ex9C32 22 3P 42V	1/20
36 V AC	32 A	38	3	2 NO + 2 NC	101218	Ex9C32 22 3P 36V	1/20
24 V AC	32 A	38	3	2 NO + 2 NC	101219	Ex9C32 22 3P 24V	1/20

Wiring diagrams



Ex9C32 11 3P



Ex9C32 22 3P

Contactors Ex9C, frame size 38

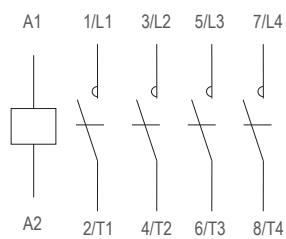
Rated current 32 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts

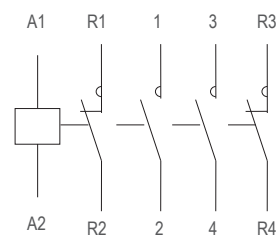


Control Voltage	I _e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	32 A	38	4	-	116684	Ex9C32 4P 415V	1/40
400 V AC	32 A	38	4	-	116685	Ex9C32 4P 400V	1/40
380 V AC	32 A	38	4	-	116686	Ex9C32 4P 380V	1/40
240 V AC	32 A	38	4	-	116687	Ex9C32 4P 240V	1/40
230 V AC	32 A	38	4	-	116688	Ex9C32 4P 230V	1/40
220 V AC	32 A	38	4	-	116689	Ex9C32 4P 220V	1/40
127 V AC	32 A	38	4	-	116690	Ex9C32 4P 127V	1/40
110 V AC	32 A	38	4	-	116691	Ex9C32 4P 110V	1/40
48 V AC	32 A	38	4	-	116692	Ex9C32 4P 48V	1/40
42 V AC	32 A	38	4	-	116693	Ex9C32 4P 42V	1/40
36 V AC	32 A	38	4	-	116694	Ex9C32 4P 36V	1/40
24 V AC	32 A	38	4	-	116695	Ex9C32 4P 24V	1/40
415 V AC	32 A	38	2+2	-	116696	Ex9C32 4P/22 415V	1/40
400 V AC	32 A	38	2+2	-	116697	Ex9C32 4P/22 400V	1/40
380 V AC	32 A	38	2+2	-	116698	Ex9C32 4P/22 380V	1/40
240 V AC	32 A	38	2+2	-	116699	Ex9C32 4P/22 240V	1/40
230 V AC	32 A	38	2+2	-	116700	Ex9C32 4P/22 230V	1/40
220 V AC	32 A	38	2+2	-	116701	Ex9C32 4P/22 220V	1/40
127 V AC	32 A	38	2+2	-	116702	Ex9C32 4P/22 127V	1/40
110 V AC	32 A	38	2+2	-	116703	Ex9C32 4P/22 110V	1/40
48 V AC	32 A	38	2+2	-	116704	Ex9C32 4P/22 48V	1/40
42 V AC	32 A	38	2+2	-	116705	Ex9C32 4P/22 42V	1/40
36 V AC	32 A	38	2+2	-	116706	Ex9C32 4P/22 36V	1/40
24 V AC	32 A	38	2+2	-	116707	Ex9C32 4P/22 24V	1/40

Wiring diagrams



Ex9C32 4P



Ex9C32 4P/22

Contactors Ex9C, frame size 38

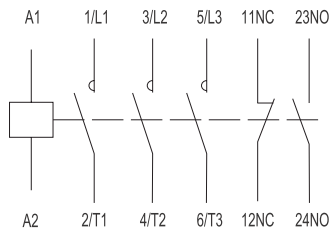
Rated current 38 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38

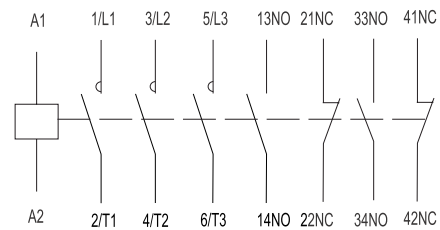


Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	38 A	38	3	1 NO + 1 NC	101220	Ex9C38 11 3P 415V	1/20
400 V AC	38 A	38	3	1 NO + 1 NC	101221	Ex9C38 11 3P 400V	1/20
380 V AC	38 A	38	3	1 NO + 1 NC	101222	Ex9C38 11 3P 380V	1/20
240 V AC	38 A	38	3	1 NO + 1 NC	101223	Ex9C38 11 3P 240V	1/20
230 V AC	38 A	38	3	1 NO + 1 NC	101224	Ex9C38 11 3P 230V	1/20
220 V AC	38 A	38	3	1 NO + 1 NC	101225	Ex9C38 11 3P 220V	1/20
127 V AC	38 A	38	3	1 NO + 1 NC	101226	Ex9C38 11 3P 127V	1/20
110 V AC	38 A	38	3	1 NO + 1 NC	101227	Ex9C38 11 3P 110V	1/20
48 V AC	38 A	38	3	1 NO + 1 NC	101228	Ex9C38 11 3P 48V	1/20
42 V AC	38 A	38	3	1 NO + 1 NC	101229	Ex9C38 11 3P 42V	1/20
36 V AC	38 A	38	3	1 NO + 1 NC	101230	Ex9C38 11 3P 36V	1/20
24 V AC	38 A	38	3	1 NO + 1 NC	101231	Ex9C38 11 3P 24V	1/20
415 V AC	38 A	38	3	2 NO + 2 NC	101232	Ex9C38 22 3P 415V	1/20
400 V AC	38 A	38	3	2 NO + 2 NC	101233	Ex9C38 22 3P 400V	1/20
380 V AC	38 A	38	3	2 NO + 2 NC	101234	Ex9C38 22 3P 380V	1/20
240 V AC	38 A	38	3	2 NO + 2 NC	101235	Ex9C38 22 3P 240V	1/20
230 V AC	38 A	38	3	2 NO + 2 NC	101236	Ex9C38 22 3P 230V	1/20
220 V AC	38 A	38	3	2 NO + 2 NC	101237	Ex9C38 22 3P 220V	1/20
127 V AC	38 A	38	3	2 NO + 2 NC	101238	Ex9C38 22 3P 127V	1/20
110 V AC	38 A	38	3	2 NO + 2 NC	101239	Ex9C38 22 3P 110V	1/20
48 V AC	38 A	38	3	2 NO + 2 NC	101240	Ex9C38 22 3P 48V	1/20
42 V AC	38 A	38	3	2 NO + 2 NC	101241	Ex9C38 22 3P 42V	1/20
36 V AC	38 A	38	3	2 NO + 2 NC	101242	Ex9C38 22 3P 36V	1/20
24 V AC	38 A	38	3	2 NO + 2 NC	101243	Ex9C38 22 3P 24V	1/20

Wiring diagrams



Ex9C38 11 3P



Ex9C38 22 3P

Contactors Ex9C, frame size 38

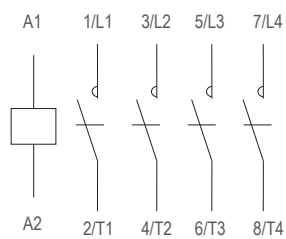
Rated current 38 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts

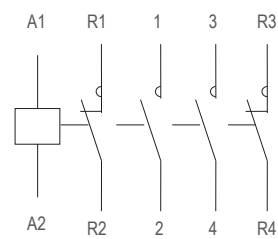


Control Voltage	I _c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	38 A	38	4	-	116708	Ex9C38 4P 415V	1/40
400 V AC	38 A	38	4	-	116709	Ex9C38 4P 400V	1/40
380 V AC	38 A	38	4	-	116710	Ex9C38 4P 380V	1/40
240 V AC	38 A	38	4	-	116711	Ex9C38 4P 240V	1/40
230 V AC	38 A	38	4	-	116712	Ex9C38 4P 230V	1/40
220 V AC	38 A	38	4	-	116713	Ex9C38 4P 220V	1/40
127 V AC	38 A	38	4	-	116714	Ex9C38 4P 127V	1/40
110 V AC	38 A	38	4	-	116715	Ex9C38 4P 110V	1/40
48 V AC	38 A	38	4	-	116716	Ex9C38 4P 48V	1/40
42 V AC	38 A	38	4	-	116717	Ex9C38 4P 42V	1/40
36 V AC	38 A	38	4	-	116718	Ex9C38 4P 36V	1/40
24 V AC	38 A	38	4	-	116719	Ex9C38 4P 24V	1/40
415 V AC	38 A	38	2+2	-	116720	Ex9C38 4P/22 415V	1/40
400 V AC	38 A	38	2+2	-	116721	Ex9C38 4P/22 400V	1/40
380 V AC	38 A	38	2+2	-	116722	Ex9C38 4P/22 380V	1/40
240 V AC	38 A	38	2+2	-	116723	Ex9C38 4P/22 240V	1/40
230 V AC	38 A	38	2+2	-	116724	Ex9C38 4P/22 230V	1/40
220 V AC	38 A	38	2+2	-	116725	Ex9C38 4P/22 220V	1/40
127 V AC	38 A	38	2+2	-	116726	Ex9C38 4P/22 127V	1/40
110 V AC	38 A	38	2+2	-	116727	Ex9C38 4P/22 110V	1/40
48 V AC	38 A	38	2+2	-	116728	Ex9C38 4P/22 48V	1/40
42 V AC	38 A	38	2+2	-	116729	Ex9C38 4P/22 42V	1/40
36 V AC	38 A	38	2+2	-	116730	Ex9C38 4P/22 36V	1/40
24 V AC	38 A	38	2+2	-	116731	Ex9C38 4P/22 24V	1/40

Wiring diagrams



Ex9C38 4P



Ex9C38 4P/22

Contactors Ex9C, frame size 65

Rated current 40 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	40 A	65	3	1 NO + 1 NC	101244	Ex9C40 11 3P 415V	1/12
400 V AC	40 A	65	3	1 NO + 1 NC	101245	Ex9C40 11 3P 400V	1/12
380 V AC	40 A	65	3	1 NO + 1 NC	101246	Ex9C40 11 3P 380V	1/12
240 V AC	40 A	65	3	1 NO + 1 NC	101247	Ex9C40 11 3P 240V	1/12
230 V AC	40 A	65	3	1 NO + 1 NC	101248	Ex9C40 11 3P 230V	1/12
220 V AC	40 A	65	3	1 NO + 1 NC	101249	Ex9C40 11 3P 220V	1/12
127 V AC	40 A	65	3	1 NO + 1 NC	101250	Ex9C40 11 3P 127V	1/12
110 V AC	40 A	65	3	1 NO + 1 NC	101251	Ex9C40 11 3P 110V	1/12
48 V AC	40 A	65	3	1 NO + 1 NC	101252	Ex9C40 11 3P 48V	1/12
42 V AC	40 A	65	3	1 NO + 1 NC	101253	Ex9C40 11 3P 42V	1/12
36 V AC	40 A	65	3	1 NO + 1 NC	101254	Ex9C40 11 3P 36V	1/12
24 V AC	40 A	65	3	1 NO + 1 NC	101255	Ex9C40 11 3P 24V	1/12

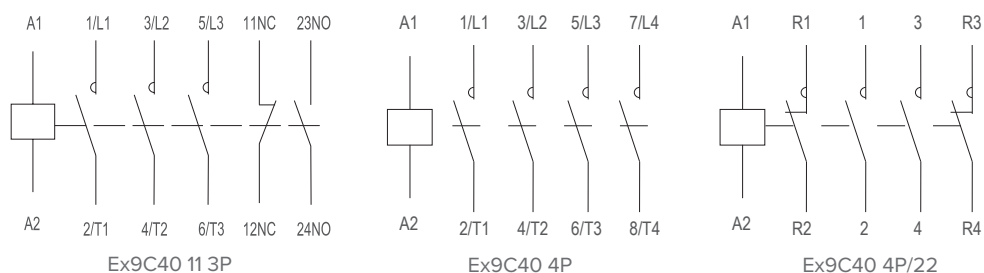
Rated current 40 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	40 A	65	4	-	116732	Ex9C40 4P 415V	1/40
400 V AC	40 A	65	4	-	116733	Ex9C40 4P 400V	1/40
380 V AC	40 A	65	4	-	116734	Ex9C40 4P 380V	1/40
240 V AC	40 A	65	4	-	116735	Ex9C40 4P 240V	1/40
230 V AC	40 A	65	4	-	116736	Ex9C40 4P 230V	1/40
220 V AC	40 A	65	4	-	116737	Ex9C40 4P 220V	1/40
127 V AC	40 A	65	4	-	116738	Ex9C40 4P 127V	1/40
110 V AC	40 A	65	4	-	116739	Ex9C40 4P 110V	1/40
48 V AC	40 A	65	4	-	116740	Ex9C40 4P 48V	1/40
42 V AC	40 A	65	4	-	116741	Ex9C40 4P 42V	1/40
36 V AC	40 A	65	4	-	116742	Ex9C40 4P 36V	1/40
24 V AC	40 A	65	4	-	116743	Ex9C40 4P 24V	1/40
415 V AC	40 A	65	2+2	-	116744	Ex9C40 4P/22 415V	1/40
400 V AC	40 A	65	2+2	-	116745	Ex9C40 4P/22 400V	1/40
380 V AC	40 A	65	2+2	-	116746	Ex9C40 4P/22 380V	1/40
240 V AC	40 A	65	2+2	-	116747	Ex9C40 4P/22 240V	1/40
230 V AC	40 A	65	2+2	-	116748	Ex9C40 4P/22 230V	1/40
220 V AC	40 A	65	2+2	-	116749	Ex9C40 4P/22 220V	1/40
127 V AC	40 A	65	2+2	-	116750	Ex9C40 4P/22 127V	1/40
110 V AC	40 A	65	2+2	-	116751	Ex9C40 4P/22 110V	1/40
48 V AC	40 A	65	2+2	-	116752	Ex9C40 4P/22 48V	1/40
42 V AC	40 A	65	2+2	-	116753	Ex9C40 4P/22 42V	1/40
36 V AC	40 A	65	2+2	-	116754	Ex9C40 4P/22 36V	1/40
24 V AC	40 A	65	2+2	-	116755	Ex9C40 4P/22 24V	1/40

Wiring diagrams



Contactors Ex9C, frame size 65

Rated current 50 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	50 A	65	3	1 NO + 1 NC	101256	Ex9C50 11 3P 415V	1/12
400 V AC	50 A	65	3	1 NO + 1 NC	101257	Ex9C50 11 3P 400V	1/12
380 V AC	50 A	65	3	1 NO + 1 NC	101258	Ex9C50 11 3P 380V	1/12
240 V AC	50 A	65	3	1 NO + 1 NC	101259	Ex9C50 11 3P 240V	1/12
230 V AC	50 A	65	3	1 NO + 1 NC	101260	Ex9C50 11 3P 230V	1/12
220 V AC	50 A	65	3	1 NO + 1 NC	101261	Ex9C50 11 3P 220V	1/12
127 V AC	50 A	65	3	1 NO + 1 NC	101262	Ex9C50 11 3P 127V	1/12
110 V AC	50 A	65	3	1 NO + 1 NC	101263	Ex9C50 11 3P 110V	1/12
48 V AC	50 A	65	3	1 NO + 1 NC	101264	Ex9C50 11 3P 48V	1/12
42 V AC	50 A	65	3	1 NO + 1 NC	101265	Ex9C50 11 3P 42V	1/12
36 V AC	50 A	65	3	1 NO + 1 NC	101266	Ex9C50 11 3P 36V	1/12
24 V AC	50 A	65	3	1 NO + 1 NC	101267	Ex9C50 11 3P 24V	1/12

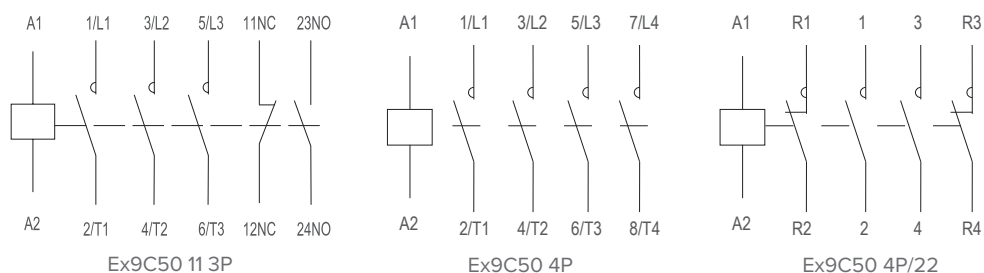
Rated current 50 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	50 A	65	4	-	116756	Ex9C50 4P 415V	1/40
400 V AC	50 A	65	4	-	116757	Ex9C50 4P 400V	1/40
380 V AC	50 A	65	4	-	116758	Ex9C50 4P 380V	1/40
240 V AC	50 A	65	4	-	116759	Ex9C50 4P 240V	1/40
230 V AC	50 A	65	4	-	116760	Ex9C50 4P 230V	1/40
220 V AC	50 A	65	4	-	116761	Ex9C50 4P 220V	1/40
127 V AC	50 A	65	4	-	116762	Ex9C50 4P 127V	1/40
110 V AC	50 A	65	4	-	116763	Ex9C50 4P 110V	1/40
48 V AC	50 A	65	4	-	116764	Ex9C50 4P 48V	1/40
42 V AC	50 A	65	4	-	116765	Ex9C50 4P 42V	1/40
36 V AC	50 A	65	4	-	116766	Ex9C50 4P 36V	1/40
24 V AC	50 A	65	4	-	116767	Ex9C50 4P 24V	1/40
415 V AC	50 A	65	2+2	-	116768	Ex9C50 4P/22 415V	1/40
400 V AC	50 A	65	2+2	-	116769	Ex9C50 4P/22 400V	1/40
380 V AC	50 A	65	2+2	-	116770	Ex9C50 4P/22 380V	1/40
240 V AC	50 A	65	2+2	-	116771	Ex9C50 4P/22 240V	1/40
230 V AC	50 A	65	2+2	-	116772	Ex9C50 4P/22 230V	1/40
220 V AC	50 A	65	2+2	-	116773	Ex9C50 4P/22 220V	1/40
127 V AC	50 A	65	2+2	-	116774	Ex9C50 4P/22 127V	1/40
110 V AC	50 A	65	2+2	-	116775	Ex9C50 4P/22 110V	1/40
48 V AC	50 A	65	2+2	-	116776	Ex9C50 4P/22 48V	1/40
42 V AC	50 A	65	2+2	-	116777	Ex9C50 4P/22 42V	1/40
36 V AC	50 A	65	2+2	-	116778	Ex9C50 4P/22 36V	1/40
24 V AC	50 A	65	2+2	-	116779	Ex9C50 4P/22 24V	1/40

Wiring diagrams



Contactors Ex9C, frame size 65

Rated current 65 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	65 A	65	3	1 NO + 1 NC	101268	Ex9C65 11 3P 415V	1/12
400 V AC	65 A	65	3	1 NO + 1 NC	101269	Ex9C65 11 3P 400V	1/12
380 V AC	65 A	65	3	1 NO + 1 NC	101270	Ex9C65 11 3P 380V	1/12
240 V AC	65 A	65	3	1 NO + 1 NC	101271	Ex9C65 11 3P 240V	1/12
230 V AC	65 A	65	3	1 NO + 1 NC	101272	Ex9C65 11 3P 230V	1/12
220 V AC	65 A	65	3	1 NO + 1 NC	101273	Ex9C65 11 3P 220V	1/12
127 V AC	65 A	65	3	1 NO + 1 NC	101274	Ex9C65 11 3P 127V	1/12
110 V AC	65 A	65	3	1 NO + 1 NC	101275	Ex9C65 11 3P 110V	1/12
48 V AC	65 A	65	3	1 NO + 1 NC	101276	Ex9C65 11 3P 48V	1/12
42 V AC	65 A	65	3	1 NO + 1 NC	101277	Ex9C65 11 3P 42V	1/12
36 V AC	65 A	65	3	1 NO + 1 NC	101278	Ex9C65 11 3P 36V	1/12
24 V AC	65 A	65	3	1 NO + 1 NC	101279	Ex9C65 11 3P 24V	1/12

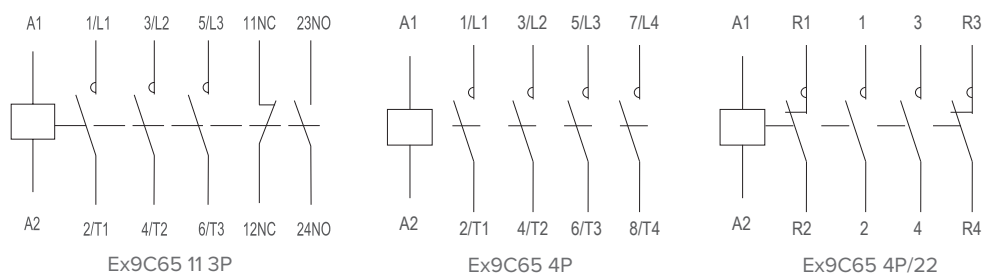
Rated current 65 A, 4-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- 4 pole version doesn't have internal auxiliary contacts



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	65 A	65	4	-	116780	Ex9C65 4P 415V	1/40
400 V AC	65 A	65	4	-	116781	Ex9C65 4P 400V	1/40
380 V AC	65 A	65	4	-	116782	Ex9C65 4P 380V	1/40
240 V AC	65 A	65	4	-	116783	Ex9C65 4P 240V	1/40
230 V AC	65 A	65	4	-	116784	Ex9C65 4P 230V	1/40
220 V AC	65 A	65	4	-	116785	Ex9C65 4P 220V	1/40
127 V AC	65 A	65	4	-	116786	Ex9C65 4P 127V	1/40
110 V AC	65 A	65	4	-	116787	Ex9C65 4P 110V	1/40
48 V AC	65 A	65	4	-	116788	Ex9C65 4P 48V	1/40
42 V AC	65 A	65	4	-	116789	Ex9C65 4P 42V	1/40
36 V AC	65 A	65	4	-	116790	Ex9C65 4P 36V	1/40
24 V AC	65 A	65	4	-	116791	Ex9C65 4P 24V	1/40
415 V AC	65 A	65	2+2	-	116792	Ex9C65 4P/22 415V	1/40
400 V AC	65 A	65	2+2	-	116793	Ex9C65 4P/22 400V	1/40
380 V AC	65 A	65	2+2	-	116794	Ex9C65 4P/22 380V	1/40
240 V AC	65 A	65	2+2	-	116795	Ex9C65 4P/22 240V	1/40
230 V AC	65 A	65	2+2	-	116796	Ex9C65 4P/22 230V	1/40
220 V AC	65 A	65	2+2	-	116797	Ex9C65 4P/22 220V	1/40
127 V AC	65 A	65	2+2	-	116798	Ex9C65 4P/22 127V	1/40
110 V AC	65 A	65	2+2	-	116799	Ex9C65 4P/22 110V	1/40
48 V AC	65 A	65	2+2	-	116800	Ex9C65 4P/22 48V	1/40
42 V AC	65 A	65	2+2	-	116801	Ex9C65 4P/22 42V	1/40
36 V AC	65 A	65	2+2	-	116802	Ex9C65 4P/22 36V	1/40
24 V AC	65 A	65	2+2	-	116803	Ex9C65 4P/22 24V	1/40

Wiring diagrams



Contactors Ex9C, frame size 100

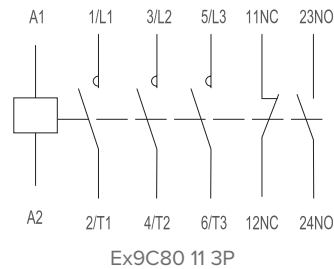
Rated current 80 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	80 A	100	3	1 NO + 1 NC	101335	Ex9C80 11 3P 415V	1/12
400 V AC	80 A	100	3	1 NO + 1 NC	101336	Ex9C80 11 3P 400V	1/12
380 V AC	80 A	100	3	1 NO + 1 NC	101337	Ex9C80 11 3P 380V	1/12
240 V AC	80 A	100	3	1 NO + 1 NC	101338	Ex9C80 11 3P 240V	1/12
230 V AC	80 A	100	3	1 NO + 1 NC	101339	Ex9C80 11 3P 230V	1/12
220 V AC	80 A	100	3	1 NO + 1 NC	101340	Ex9C80 11 3P 220V	1/12
127 V AC	80 A	100	3	1 NO + 1 NC	101341	Ex9C80 11 3P 127V	1/12
110 V AC	80 A	100	3	1 NO + 1 NC	101342	Ex9C80 11 3P 110V	1/12
48 V AC	80 A	100	3	1 NO + 1 NC	101343	Ex9C80 11 3P 48V	1/12
42 V AC	80 A	100	3	1 NO + 1 NC	101344	Ex9C80 11 3P 42V	1/12
36 V AC	80 A	100	3	1 NO + 1 NC	101345	Ex9C80 11 3P 36V	1/12
24 V AC	80 A	100	3	1 NO + 1 NC	101346	Ex9C80 11 3P 24V	1/12

Wiring diagram



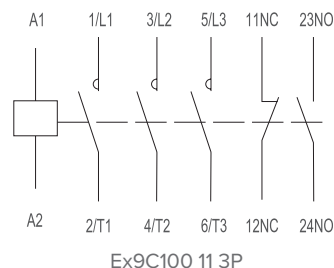
Rated current 100 A, 3-Pole

- Standard version of contactor
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control Voltage	I_c	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	100 A	100	3	1 NO + 1 NC	101347	Ex9C100 11 3P 415V	1/12
400 V AC	100 A	100	3	1 NO + 1 NC	101348	Ex9C100 11 3P 400V	1/12
380 V AC	100 A	100	3	1 NO + 1 NC	101349	Ex9C100 11 3P 380V	1/12
240 V AC	100 A	100	3	1 NO + 1 NC	101350	Ex9C100 11 3P 240V	1/12
230 V AC	100 A	100	3	1 NO + 1 NC	101351	Ex9C100 11 3P 230V	1/12
220 V AC	100 A	100	3	1 NO + 1 NC	101352	Ex9C100 11 3P 220V	1/12
127 V AC	100 A	100	3	1 NO + 1 NC	101353	Ex9C100 11 3P 127V	1/12
110 V AC	100 A	100	3	1 NO + 1 NC	101354	Ex9C100 11 3P 110V	1/12
48 V AC	100 A	100	3	1 NO + 1 NC	101355	Ex9C100 11 3P 48V	1/12
42 V AC	100 A	100	3	1 NO + 1 NC	101356	Ex9C100 11 3P 42V	1/12
36 V AC	100 A	100	3	1 NO + 1 NC	101357	Ex9C100 11 3P 36V	1/12
24 V AC	100 A	100	3	1 NO + 1 NC	101358	Ex9C100 11 3P 24V	1/12

Wiring diagram



Technical Data **Ex9C**, frame size 18

Contactors Ex9C09, Ex9C12, Ex9C18

General parameters		
Standard contactors rated at AC-3		
Suitable mainly for industrial applications		
Mounting onto device rail (DIN) 35 mm or onto panel		
3 Pole built-in auxiliary contacts, 4 Pole only main contacts		
Accessories		
Front-mounted auxiliary contacts	AX42	101284 — 101291
Side-mounted auxiliary contacts	AX4311	101292
Surge suppressor blocks	CCU42	104498, 104499, 104500
Mechanical interlocks	MIT42	107960

Electrical parameters - main contacts and general			
	Ex9C09	Ex9C12	Ex9C18
Tested according to	IEC/EN 60947-4-1		
Rated operating voltage U_e	690 V AC		
Rated insulating voltage U_i	690 V AC		
Rated impulse withstand voltage U_{imp}	6 kV	6 kV	6 kV
Rated frequency	50/60 Hz		
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes	yes	yes
Conventional free air thermal current I_{th}	25 A	25 A	32 A
Rated operational current I_e			
AC-1	25 A	25 A	32 A
AC-2/AC-3/AC-4, 380/400 V	9 A	12 A	18 A
AC-3, 660/690 V	6.7 A	9 A	10.6 A
AC-2/AC-4, 660/690 V	4.9 A	4.9 A	6.7 A
Rated power of 3-phase motor			
AC-3/AC-4, 380/400 V	4 kW	5.5 kW	7.5 kW
AC-3, 660/690 V	5.5 kW	7.5 kW	9 kW
AC-4, 660/690 V	4 kW	4 kW	5.5 kW
Maximum short circuit protection fuse			
Coordination type 1 at 500 V AC	25 A gG/gL	40 A gG/gL	50 A gG/gL
Coordination type 2 at 500 V AC	20 A gG/gL	25 A gG/gL	36 A gG/gL
Safe isolation (EN 61140)			
Main contact — main contact	400 V AC	400 V AC	400 V AC
Main contact — coil	400 V AC	400 V AC	400 V AC
3-phase power AC-1			
Maximum back-up fuse gG/gL	50 A	50 A	63 A
Power at 230/240 V	10 kW	10 kW	13 kW
Power at 380/400 V	17 kW	17 kW	21 kW
Power at 660/690 V	29 kW	29 kW	37 kW
Rated current $I_e = I_{th}$	25 A	25 A	32 A
1-phase power AC-1, 3 contacts in parallel			
Maximum back-up fuse gG/gL	80 A	80 A	100 A
Power at 230/240 V	23 kW	23 kW	29 kW
Power at 380/400 V	37 kW	37 kW	48 kW
Power at 660/690 V	64 kW	64 kW	82 kW
Rated current $I_e = I_{th}$	56 A	56 A	72 A

Technical Data **Ex9C**, frame size 18

Contactors Ex9C09, Ex9C12, Ex9C18

Electrical parameters - main contacts and general			
	Ex9C09	Ex9C12	Ex9C18
Making capacity $10 \times I_e$ (AC-3)			
230/240 V	90 A	120 A	180 A
380/400 V	90 A	120 A	180 A
660/690 V	67 A	90 A	106 A
Breaking capacity $8 \times I_e$ (AC-3)			
230/240 V	72 A	96 A	144 A
380/400 V	72 A	96 A	144 A
660/690 V	53.6 A	72 A	84.8 A
Mechanical service life	10 000 000 operation cycles		
Electrical service life 380/400 V			
AC-3	1 200 000 operation cycles		
AC-4	50 000 operation cycles	40 000 operation cycles	40 000 operation cycles
Overvoltage category	III		
EMC environment	A		
Comparative Tracking Index	400 V		
Prospective short circuit current I_q	50 kA		

Electrical parameters - coil			
	Ex9C09	Ex9C12	Ex9C18
Control Voltage U_c	24, 36, 42, 48, 110, 127, 220, 230, 240, 380, 400, 415 V AC		
Tolerance of Control Voltage U_c	0.85 — 1.1 U_c	0.85 — 1.1 U_c	0.85 — 1.1 U_c
Frequency	50 Hz	50 Hz	50 Hz
Power consumption			
Pick-up	90 VA / 40 W	90 VA / 40 W	90 VA / 40 W
Hold	9.5 VA / 4 W	9.5 VA / 4 W	9.5 VA / 4 W
Duty	100 %	100 %	100 %
Closing delay	12 — 25 ms	12 — 25 ms	12 — 25 ms
Opening delay	5 — 20 ms	5 — 20 ms	5 — 20 ms
Closing delay with front-mounted AX	12 — 25 ms	12 — 25 ms	12 — 25 ms

Electrical parameters - built-in auxiliary contacts	
Rated operating voltage U_e	690 V AC
Rated insulating voltage U_i	690 V AC
Rated impulse withstand voltage U_{imp}	6 kV
Rated frequency	50 Hz
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes
Conventional free air thermal current I_{th}	10 A
Rated operational current I_e	
AC-15	6 A / 120 V, 3 A / 240 V, 1.9 A / 380 V, 1.5 A / 480 V, 1.2 A / 600 V
DC-13	0.55 A / 125 V, 0.27 A / 250 V
Max. back-up fuse	10 A gG/gL
Conditional short circuit current I_k with max. back-up fuse	1 kA

Technical Data **Ex9C**, frame size 18

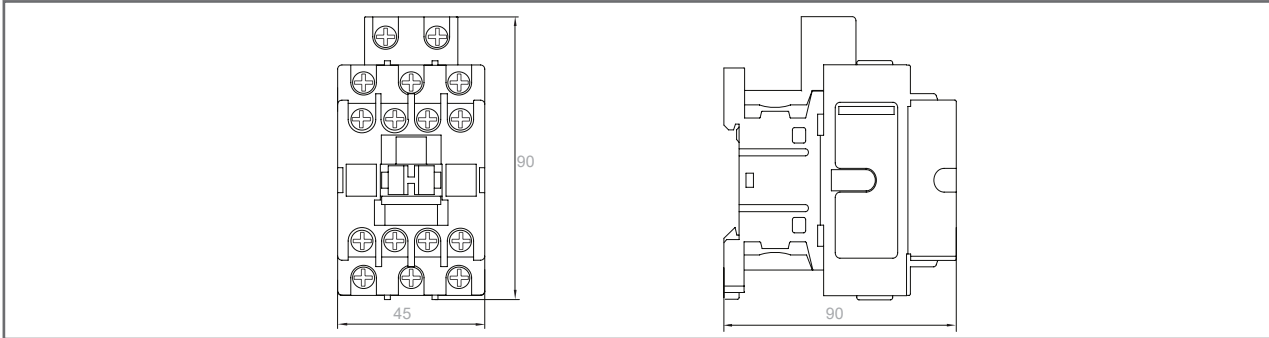
Contactors **Ex9C09**, **Ex9C12**, **Ex9C18**

Mechanical parameters			
	Ex9C09	Ex9C12	Ex9C18
Device width	45 mm (without side-mounted auxiliary contact)		
Device height	89 mm including rail clip		
Device depth	90 mm 3 Pole, 82mm 4 Pole (without front-mounted auxiliary contact)		
Mounting	easy fastening onto 35 mm device rail (DIN) or onto panel		
Degree of protection	IP20		
Terminals	lift		
Terminal capacity	(1 – 2) x (1.5 – 6 mm ²) wired; 1 x (1 – 6 mm ²), 2 x (1 – 4 mm ²) solid		
Fastening torque of terminals	1.5 – 1.7 Nm		
Ambient temperature	-20 – +60 °C		
Altitude	≤ 2000 m		
Relative humidity	≤ 95 %		
Resistance to humidity and heat	class 2		
Pollution degree	3		
Installation class	III		
Weight	0.35 kg	0.35 kg	0.35 kg
Power loss at I _e	0.2 W	0.36 W	0.8 W

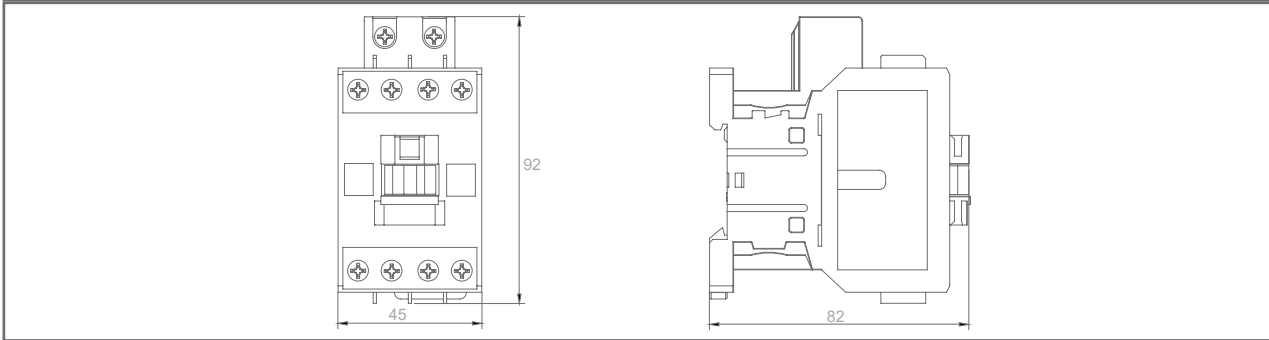
Technical Data **Ex9C**, frame size 18

Contactors Ex9C09, Ex9C12, Ex9C18

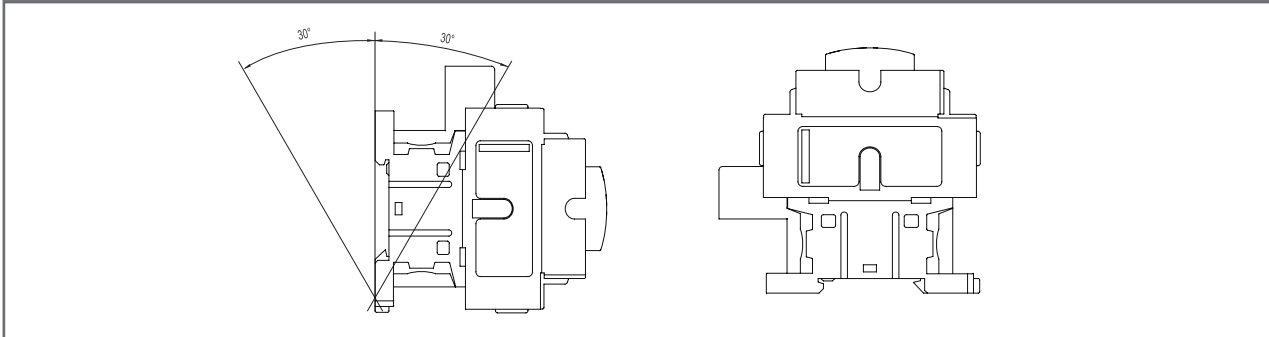
Dimensions 3P



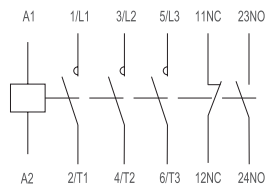
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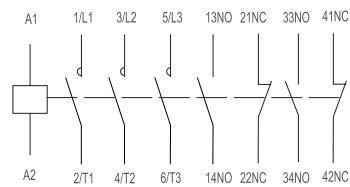
Mounting positions



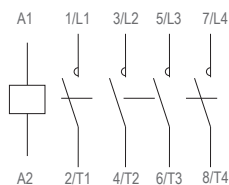
Wiring diagrams



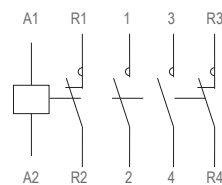
Ex9C09~18 11 3P



Ex9C09~18 22 3P



Ex9C09~18 4P



Ex9C09~18 4P/22

Technical Data **Ex9C**, frame size 38

Contactors Ex9C25, Ex9C32, Ex9C38

General parameters		
Standard contactors rated at AC-3		
Suitable mainly for industrial applications		
Mounting onto device rail (DIN) 35 mm or onto panel		
3 Pole built-in auxiliary contacts, 4 Pole only main contacts		
Accessories		
Front-mounted auxiliary contacts	AX42	101284 — 101291
Side-mounted auxiliary contacts	AX4311	101292
Surge suppressor block	CCU42	104498, 104499, 104500
Mechanical interlocks	MIT42	107960

Electrical parameters - main contacts and general			
	Ex9C25	Ex9C32	Ex9C38
Tested according to	IEC/EN 60947-4-1		
Rated operating voltage U_e	690 V AC		
Rated insulating voltage U_i	690 V AC		
Rated impulse withstand voltage U_{imp}	6 kV	6 kV	6 kV
Rated frequency	50/60 Hz		
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes	yes	yes
Conventional free air thermal current I_{th}	40 A	50 A	50 A
Rated operational current I_e			
AC-1	40 A	50 A	50 A
AC-2/AC-3/AC-4, 380/400 V	25 A	32 A	38 A
AC-3, 660/690 V	17.3 A	21.9 A	21.9 A
AC-2/AC-4, 660/690 V	14 A	17.3 A	17.3 A
Rated power of 3-phase motor			
AC-3/AC-4, 380/400 V	11 kW	15 kW	18.5 kW
AC-3, 660/690 V	15 kW	18.5 kW	18.5 kW
AC-4, 660/690 V	11 kW	15 kW	15 kW
Maximum short circuit protection fuse			
Coordination type 1 at 500 V AC	63 A gG/gL	63 A gG/gL	63 A gG/gL
Coordination type 2 at 500 V AC	40 A gG/gL	63 A gG/gL	63 A gG/gL
Safe isolation (EN 61140)			
Main contact — main contact	400 V AC	400 V AC	400 V AC
Main contact — coil	400 V AC	400 V AC	400 V AC
3-phase power AC-1			
Maximum back-up fuse gG/gL	80 A	100 A	100 A
Power at 230/240 V	16 kW	20 kW	20 kW
Power at 380/400 V	26 kW	33 kW	33 kW
Power at 660/690 V	46 kW	57 kW	57 kW
Rated current $I_e = I_{th}$	40 A	50 A	50 A
1-phase power AC-1, 3 contacts in parallel			
Maximum back-up fuse gG/gL	160 A	160 A	160 A
Power at 230/240 V	34 kW	42 kW	42 kW
Power at 380/400 V	55 kW	69 kW	69 kW
Power at 660/690 V	96 kW	120 kW	120 kW
Rated current $I_e = I_{th}$	84 A	105 A	105 A

Technical Data **Ex9C**, frame size 38

Contactors Ex9C25, Ex9C32, Ex9C38

Electrical parameters - main contacts and general			
	Ex9C25	Ex9C32	Ex9C38
Making capacity $10 \times I_e$ (AC-3)			
230/240 V	250 A	320 A	380 A
380/400 V	250 A	320 A	380 A
660/690 V	173 A	219 A	219 A
Breaking capacity $8 \times I_e$ (AC-3)			
230/240 V	200 A	256 A	304 A
380/400 V	200 A	256 A	304 A
660/690 V	138.4 A	175.2 A	175.2 A
Mechanical service life	10 000 000 operation cycles		
Electrical service life 380/400 V			
AC-3	1 200 000 operation cycles		
AC-4	50 000 operation cycles	40 000 operation cycles	40 000 operation cycles
Overvoltage category	III		
EMC environment	A		
Comparative Tracking Index	400 V		
Prospective short circuit current I_q	50 kA		

Electrical parameters - coil			
	Ex9C25	Ex9C32	Ex9C38
Control Voltage U_c	24, 36, 42, 48, 110, 127, 220, 230, 240, 380, 400, 415 V AC		
Tolerance of Control Voltage U_c	0.85 — 1.1 U_c	0.85 — 1.1 U_c	0.85 — 1.1 U_c
Frequency	50 Hz	50 Hz	50 Hz
Power consumption			
Pick-up	100 VA / 50 W	100 VA / 50 W	100 VA / 50 W
Hold	11.4 VA / 5 W	11.4 VA / 5 W	11.4 VA / 5 W
Duty	100 %	100 %	100 %
Closing delay	12 — 25 ms	12 — 25 ms	12 — 25 ms
Opening delay	5 — 20 ms	5 — 20 ms	5 — 20 ms
Closing delay with front-mounted AX	12 — 25 ms	12 — 25 ms	12 — 25 ms

Electrical parameters - built-in auxiliary contacts	
Rated operating voltage U_e	690 V AC
Rated insulating voltage U_i	690 V AC
Rated impulse withstand voltage U_{imp}	6 kV
Rated frequency	50 Hz
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes
Conventional free air thermal current I_{th}	10 A
Rated operational current I_e	
AC-15	6 A / 120 V, 3 A / 240 V, 1.9 A / 380 V, 1.5 A / 480 V, 1.2 A / 600 V
DC-13	0.55 A / 125 V, 0.27 A / 250 V
Max. back-up fuse	10 A gG/gL
Conditional short circuit current I_k with max. back-up fuse	1 kA

Technical Data **Ex9C**, frame size 38

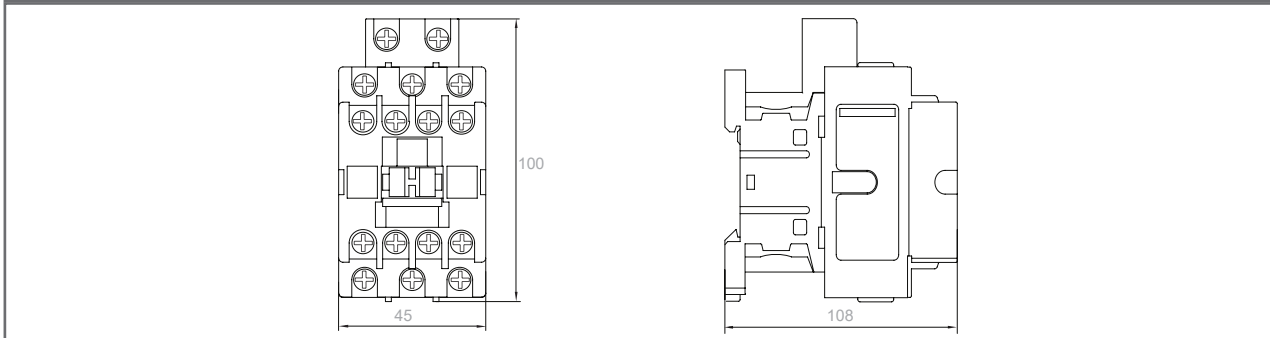
Contactors **Ex9C25**, **Ex9C32**, **Ex9C38**

Mechanical parameters			
	Ex9C25	Ex9C32	Ex9C38
Device width	45 mm 3 Pole, 57 mm 4 Pole (without side-mounted auxiliary contact)		
Device height	100 mm including rail clip		
Device depth	108 mm 3 Pole, 90 mm 4 Pole (without front-mounted auxiliary contact)		
Mounting	easy fastening onto 35 mm device rail (DIN) or onto panel		
Degree of protection	IP20		
Terminals	lift		
Terminal capacity	(1 – 2) x (2.5 – 10 mm ²) wired; 1 x (1 – 10 mm ²), 2 x (1.5 – 6 mm ²) solid		
Fastening torque of terminals	2 – 2.5 Nm		
Ambient temperature	-20 – +60 °C		
Altitude	≤ 2000 m		
Relative humidity	≤ 95 %		
Resistance to humidity and heat	class 2		
Pollution degree	3		
Installation class	III		
Weight	0.4 kg	0.4 kg	0.4 kg
Power loss at I _e	1.25 W	2 W	3 W

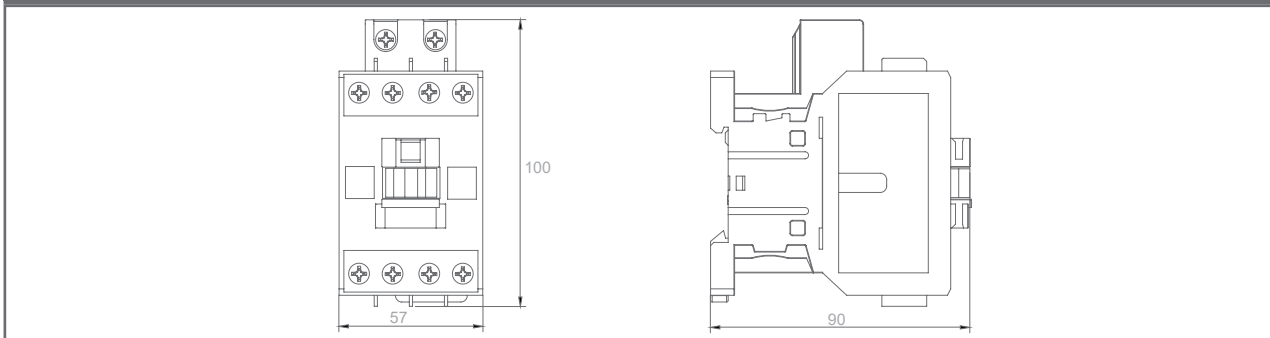
Technical Data **Ex9C**, frame size 38

Contactors Ex9C25, Ex9C32, Ex9C38

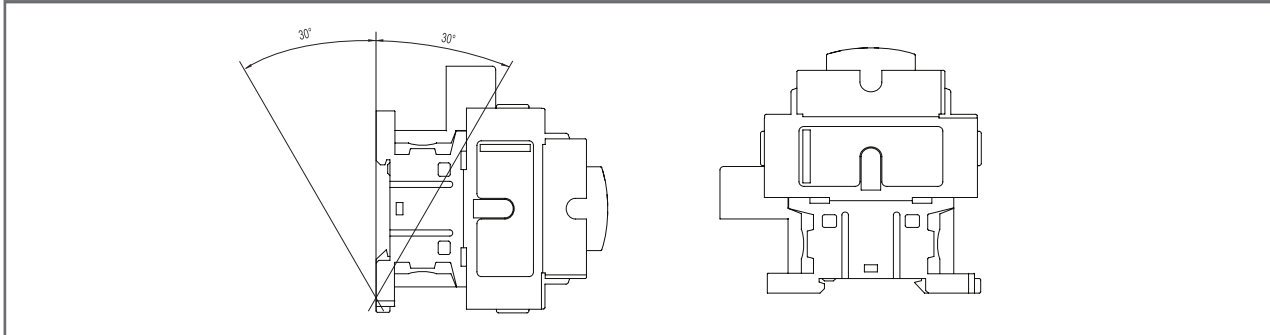
Dimensions 3P



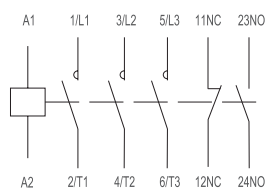
Dimensions 4P



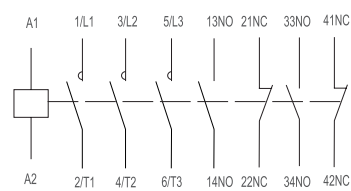
Mounting positions



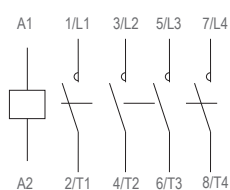
Wiring diagrams



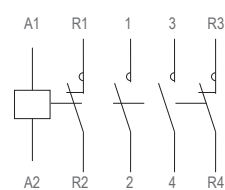
Ex9C25~38 11 3P



Ex9C25~38 22 3P



Ex9C25~38 4P



Ex9C25~38 4P/22

Technical Data **Ex9C**, frame size 65

Contactors Ex9C40, Ex9C50, Ex9C65

General parameters		
Standard contactors		
Contactors rated at AC-3		
Suitable mainly for industrial applications		
Mounting onto device rail (DIN) 35 mm and 75 mm or onto panel		
3 Pole built-in auxiliary contacts, 4 Pole only main contacts		
Accessories		
Front-mounted auxiliary contacts	AX42	101284 – 101291
Side-mounted auxiliary contacts	AX4311	101292
Surge suppressor block	CCU43	104495, 104496, 104497
Mechanical interlocks	MIT43	107961

Electrical parameters - main contacts and general			
	Ex9C40	Ex9C50	Ex9C65
Tested according to	IEC/EN 60947-4-1		
Rated op. voltage U_e	690 V AC		
Rated insulating voltage U_i	1000 V AC		
Rated impulse withstand voltage U_{imp}	6 kV	6 kV	6 kV
Rated frequency	50/60 Hz		
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes	yes	yes
Conventional free air thermal current I_{th}	60 A	80 A	80 A
Rated operational current I_e			
AC-1	60 A	80 A	80 A
AC-2/AC-3/AC-4, 380/400 V	40 A	50 A	65 A
AC-2/AC-3/AC-4, 660/690 V	34 A	39 A	42 A
Rated power of 3-phase motor			
AC-3/AC-4, 380/400 V	18.5 kW	22 kW	30 kW
AC-3/AC-4, 660/690 V	30 kW	33 kW	37 kW
Maximum short circuit protection fuse			
Coordination type 1 at 500 V AC	80 A gG/gL	100 A gG/gL	160 A gG/gL
Coordination type 2 at 500 V AC	80 A gG/gL	100 A gG/gL	125 A gG/gL
Safe isolation (EN 61140)			
Main contact – main contact	690 V AC	690 V AC	690 V AC
Main contact – coil	690 V AC	690 V AC	690 V AC
3-phase power AC-1			
Maximum back-up fuse gG/gL	125 A	160 A	160 A
Power at 230/240 V	24 kW	32 kW	32 kW
Power at 380/400 V	40 kW	53 kW	53 kW
Power at 660/690 V	69 kW	92 kW	92 kW
Rated current $I_e = I_{th}$	60 A	80 A	80 A
1-phase power AC-1, 3 contacts in parallel			
Maximum back-up fuse gG/gL	200 A	250 A	250 A
Power at 230/240 V	50 kW	67 kW	67 kW
Power at 380/400 V	83 kW	110 kW	110 kW
Power at 660/690 V	144 kW	192 kW	192 kW
Rated current $I_e = I_{th}$	126 A	168 A	168 A

Technical Data **Ex9C**, frame size 65

Contactors Ex9C40, Ex9C50, Ex9C65

Electrical parameters - main contacts and general			
	Ex9C40	Ex9C50	Ex9C65
Making capacity $10 \times I_e$ (AC-3)			
230/240 V	400 A	500 A	650 A
380/400 V	400 A	500 A	650 A
660/690 V	340 A	390 A	420 A
Breaking capacity $8 \times I_e$ (AC-3)			
230/240 V	320 A	400 A	520 A
380/400 V	320 A	400 A	520 A
660/690 V	272 A	312 A	336 A
Mechanical service life	10 000 000 operation cycles		
Electrical service life 380/400 V			
AC-3	1 200 000 operation cycles		
AC-4	35 000 operation cycles	30 000 operation cycles	30 000 operation cycles
Overvoltage category	III		
EMC environment	A		
Comparative Tracking Index	400 V		
Prospective short circuit current I_q	50 kA		

Electrical parameters - coil			
	Ex9C40	Ex9C50	Ex9C65
Control Voltage U_c	24, 36, 42, 48, 110, 127, 220, 230, 240, 380, 400, 415 V AC		
Tolerance of Control Voltage U_c	0.85 — 1.1 U_c	0.85 — 1.1 U_c	0.85 — 1.1 U_c
Frequency	50 Hz	50 Hz	50 Hz
Power consumption			
Pick-up	240 VA / 100 W	240 VA / 100 W	240 VA / 100 W
Hold	36.6 VA / 10 W	36.6 VA / 10 W	36.6 VA / 10 W
Duty	100 %	100 %	100 %
Closing delay	15 — 25 ms	15 — 25 ms	15 — 25 ms
Opening delay	6 — 15 ms	6 — 15 ms	6 — 15 ms
Closing delay with front-mounted AX	15 — 25 ms	15 — 25 ms	15 — 25 ms

Electrical parameters - built-in auxiliary contacts	
Rated op. voltage U_e	690 V AC
Rated insulating voltage U_i	690 V AC
Rated impulse withstand voltage U_{imp}	6 kV
Rated frequency	50 Hz
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes
Conventional free air thermal current I_{th}	10 A
Rated operational current I_e	
AC-15	6 A / 120 V, 3 A / 240 V, 1.9 A / 380 V, 1.5 A / 480 V, 1.2 A / 600 V
DC-13	0.55 A / 125 V, 0.27 A / 250 V
Max. back-up fuse	10 A gG/gL
Conditional short circuit current I_k with max. back-up fuse	1 kA

Technical Data **Ex9C**, frame size 65

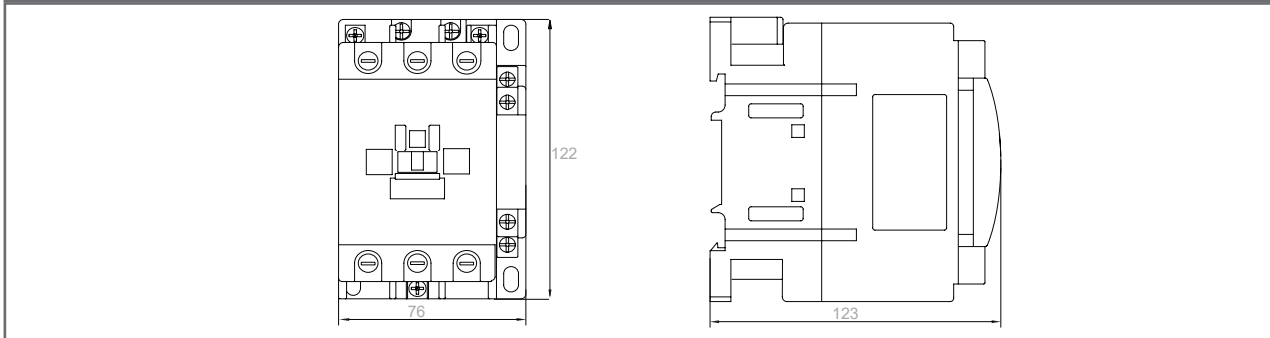
Contactors **Ex9C40, Ex9C50, Ex9C65**

Mechanical parameters			
	Ex9C40	Ex9C50	Ex9C65
Device width	76 mm 3 Pole, 84 mm 4 Pole (without side-mounted auxiliary contact)		
Device height	122 mm including rail clip		
Device depth	123 mm 3 Pole, 110 mm 4 Pole (without front-mounted auxiliary contact)		
Mounting	easy fastening onto 35 or 75 mm device rail (DIN) or onto panel		
Degree of protection	IP20		
Terminals	lift		
Terminal capacity	(1 – 2) x (2.5 – 25 mm ²)		
Fastening torque of terminals	5.5 – 6 Nm		
Ambient temperature	-20 – +60 °C		
Altitude	≤ 2000 m		
Relative humidity	≤ 95 %		
Resistance to humidity and heat	class 2		
Pollution degree	3		
Installation class	III		
Weight	1.23 kg	1.23 kg	1.23 kg
Power loss at I _e	2.4 W	3.7 W	4.2 W

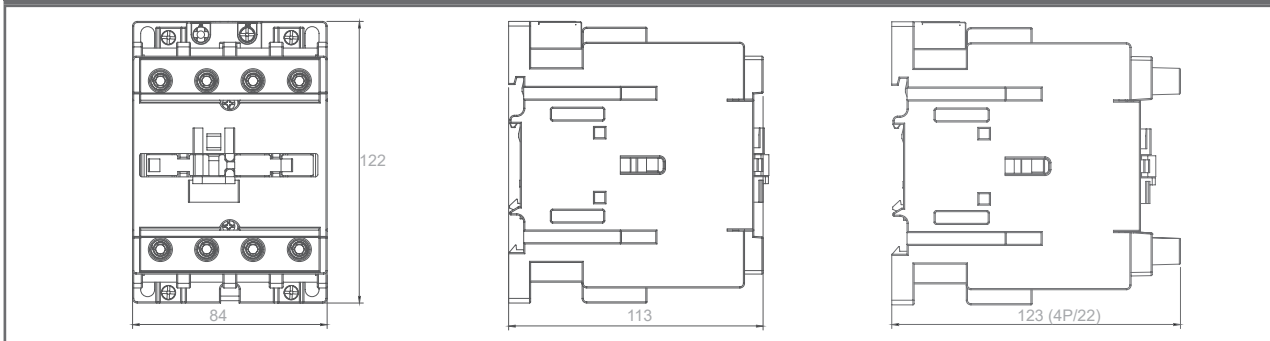
Technical Data **Ex9C**, frame size 65

Contactors Ex9C40, Ex9C50, Ex9C65

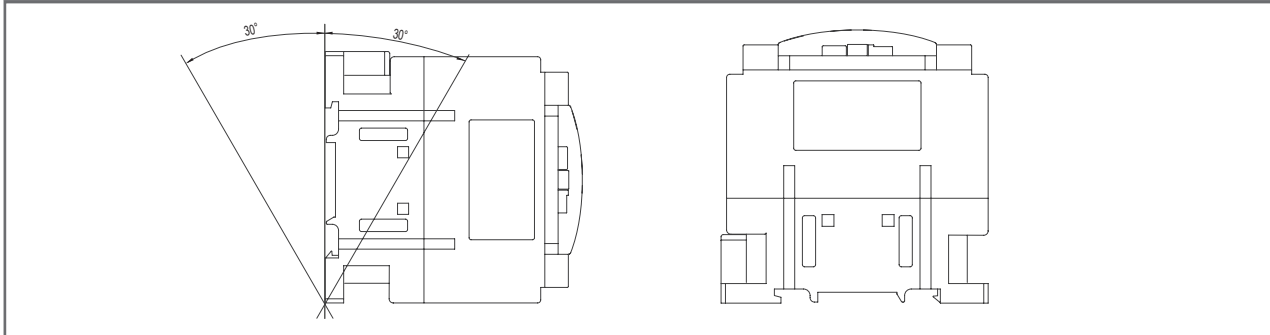
Dimensions 3P



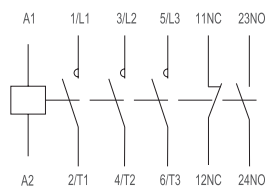
Dimensions 4P



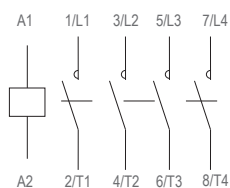
Mounting positions



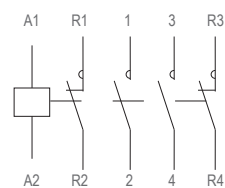
Wiring diagrams



Ex9C40~65 11 3P



Ex9C40~65 4P



Ex9C40~65 4P/22

Technical Data **Ex9C**, frame size 100

Contactors Ex9C80, Ex9C100

General parameters		
Standard contactors		
Contactors rated at AC-3		
Suitable mainly for industrial applications		
Mounting onto device rail (DIN) 35 mm and 75 mm or onto panel		
With built-in auxiliary contacts		
Accessories		
Front-mounted auxiliary contacts	AX42	101284 – 101291
Side-mounted auxiliary contacts	AX4311	101292
Surge suppressor block	CCU43	104495, 104496, 104497
Mechanical interlocks	MIT43	107961

Electrical parameters - main contacts and general		
	Ex9C80	Ex9C100
Tested according to	IEC/EN 60947-4-1	
Rated op. voltage U_e	690 V AC	
Rated insulating voltage U_i	1000 V AC	
Rated impulse withstand voltage U_{imp}	6 kV	6 kV
Rated frequency	50/60 Hz	
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes	yes
Conventional free air thermal current I_{th}	125 A	125 A
Rated operational current I_e		
AC-1	125 A	125 A
AC-2/AC-3/AC-4, 380/400 V	80 A	100 A
AC-2/AC-3/AC-4, 660/690 V	49 A	49 A
Rated power of 3-phase motor		
AC-3/AC-4, 380/400 V	37 kW	45 kW
AC-3/AC-4, 660/690 V	45 kW	45 kW
Maximum short circuit protection fuse		
Coordination type 1 at 500 V AC	200 A gG/gL	200 A gG/gL
Coordination type 2 at 500 V AC	160 A gG/gL	160 A gG/gL
Safe isolation (EN 61140)		
Main contact – main contact	690 V AC	690 V AC
Main contact – coil	690 V AC	690 V AC
3-phase power AC-1		
Maximum back-up fuse gG/gL	250 A	250 A
Power at 230/240 V	50 kW	50 kW
Power at 380/400 V	82 kW	82 kW
Power at 660/690 V	143 kW	143 kW
Rated current $I_e = I_{th}$	125 A	125 A
1-phase power AC-1, 3 contacts in parallel		
Maximum back-up fuse gG/gL	400 A	400 A
Power at 230/240 V	105 kW	105 kW
Power at 380/400 V	172 kW	172 kW
Power at 660/690 V	300 kW	300 kW
Rated current $I_e = I_{th}$	262 A	262 A

Technical Data **Ex9C**, frame size 100

Contactors Ex9C80, Ex9C100

Electrical parameters - main contacts and general

	Ex9C80	Ex9C100
Making capacity $10 \times I_e$ (AC-3)		
230/240 V	800 A	1000 A
380/400 V	800 A	1000 A
660/690 V	490 A	490 A
Breaking capacity $8 \times I_e$ (AC-3)		
230/240 V	640 A	800 A
380/400 V	640 A	800 A
660/690 V	392 A	392 A
Mechanical service life	10 000 000 operation cycles	
Electrical service life 380/400 V		
AC-3	1 200 000 operation cycles	
AC-4	25 000 operation cycles	25 000 operation cycles
Overvoltage category	III	
EMC environment	A	
Comparative Tracking Index	400 V	
Prospective short circuit current I_q	50 kA	

Electrical parameters - coil

	Ex9C80	Ex9C100
Control Voltage U_c	24, 36, 42, 48, 110, 127, 220, 230, 240, 380, 400, 415 V AC	
Tolerance of Control Voltage U_c	0.85 – 1.1 U_c	0.85 – 1.1 U_c
Frequency	50 Hz	50 Hz
Power consumption		
Pick-up	280 VA / 120 W	280 VA / 120 W
Hold	36 VA / 12 W	36 VA / 12 W
Duty	100 %	100 %
Closing delay	15 – 30 ms	15 – 30 ms
Opening delay	8 – 17 ms	8 – 17 ms
Closing delay with front-mounted AX	15 – 30 ms	15 – 30 ms

Electrical parameters - built-in auxiliary contacts

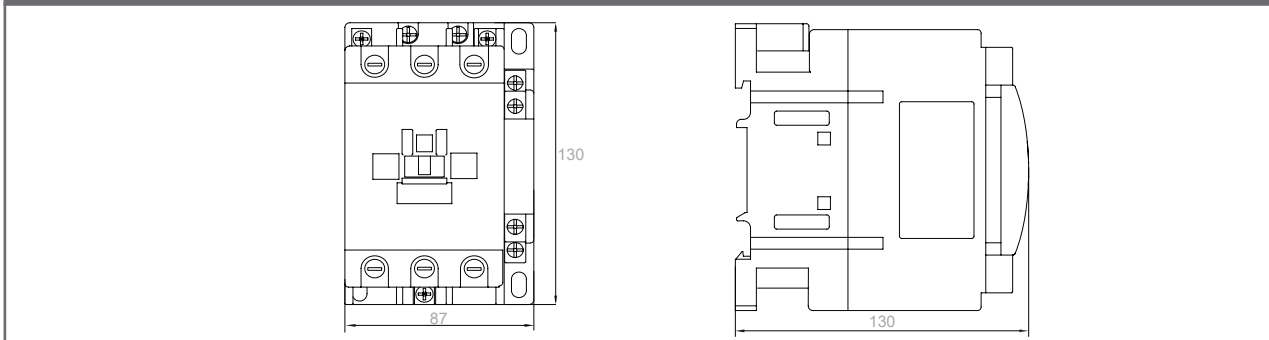
Rated op. voltage U_e	690 V AC
Rated insulating voltage U_i	690 V AC
Rated impulse withstand voltage U_{imp}	6 kV
Rated frequency	50 Hz
Interlocked opposing contacts according to EN 60947-4-1, Annex L	yes
Conventional free air thermal current I_{th}	10 A
Rated operational current I_e	
AC-15	6 A / 120 V, 3 A / 240 V, 1.9 A / 380 V, 1.5 A / 480 V, 1.2 A / 600 V
DC-13	0.55 A / 125 V, 0.27 A / 250 V
Max. back-up fuse	10 A gG/gL
Conditional short circuit current I_k with max. back-up fuse	1 kA

Technical Data **Ex9C**, frame size 100

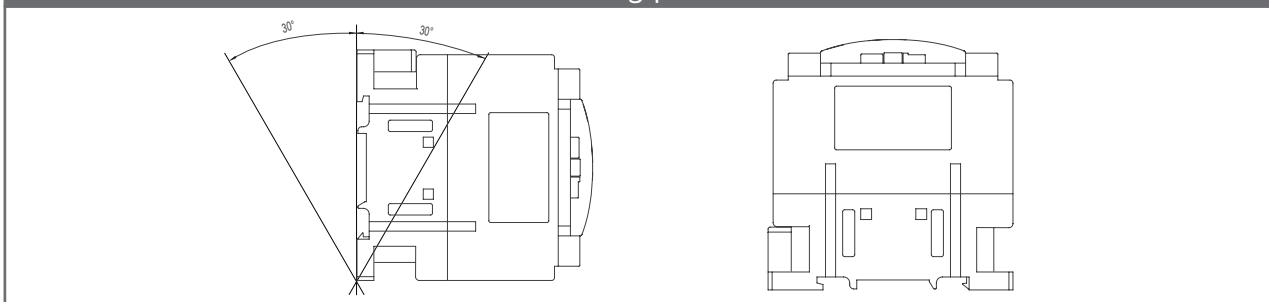
Contactors Ex9C80, Ex9C100

Mechanical parameters		
	Ex9C80	Ex9C100
Device width	87 mm (without side-mounted auxiliary contact)	
Device height	130 mm including rail clip	
Device depth	130 mm (without front-mounted auxiliary contact)	
Mounting	easy fastening onto 35 or 75 mm device rail (DIN) or onto panel	
Degree of protection	IP20	
Terminals	lift	
Terminal capacity	(1 – 2) x (4 – 50 mm ²)	
Fastening torque of terminals	5.5 – 6 Nm	
Ambient temperature	-20 – +60 °C	
Altitude	≤ 2000 m	
Relative humidity	≤ 95 %	
Resistance to humidity and heat	class 2	
Pollution degree	3	
Installation class	III	
Weight	1.5 kg	1.5 kg
Power loss at I _e	5.1 W	7.5 W

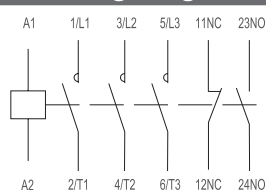
Dimensions



Mounting positions



Wiring diagram



Ex9C80~100 11 3P