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Miniature contactors Ex9CS

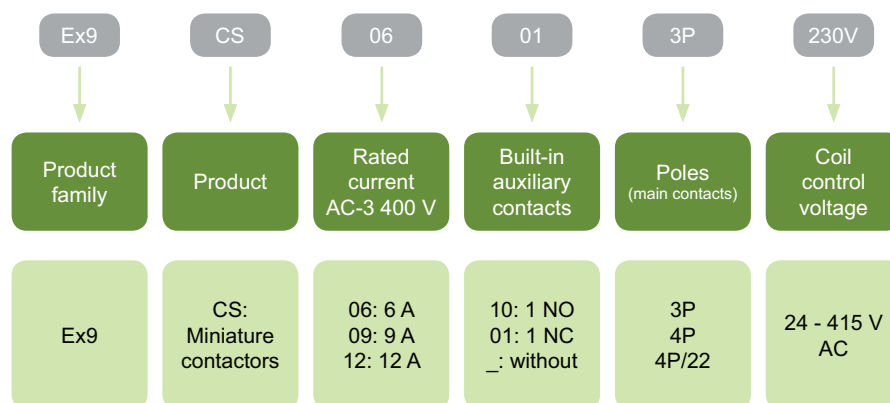


- Miniature contactors
- Tested according to IEC / EN 60947-4-1
- 3 and 4-pole versions
- Rated current AC-3 6, 9 and 12 A at 400 V
- Coil control voltage 24 — 415 V AC
- Rated conditional short circuit current I_q 50 kA
- Suitable for industrial as well as domestic applications
- Mounting onto device rail (DIN) 35 mm or onto panel

Ex9CS contactors bring excellent electric parameters in the form of very compact device. These contactors can be used for both industrial as well as domestic applications. Thermal current and AC-1 load 20 A at 690 V AC allows switching of resistive loads with maximum currents usual for domestic applications. Thanks to compact dimensions, Ex9CS contactors are ideal solution for space limited installations.

Contactors are offered as 3 and 4-pole versions and as a 4-pole version with main contacts configuration 2 normally open and 2 normally closed (4P/22).

Type Key

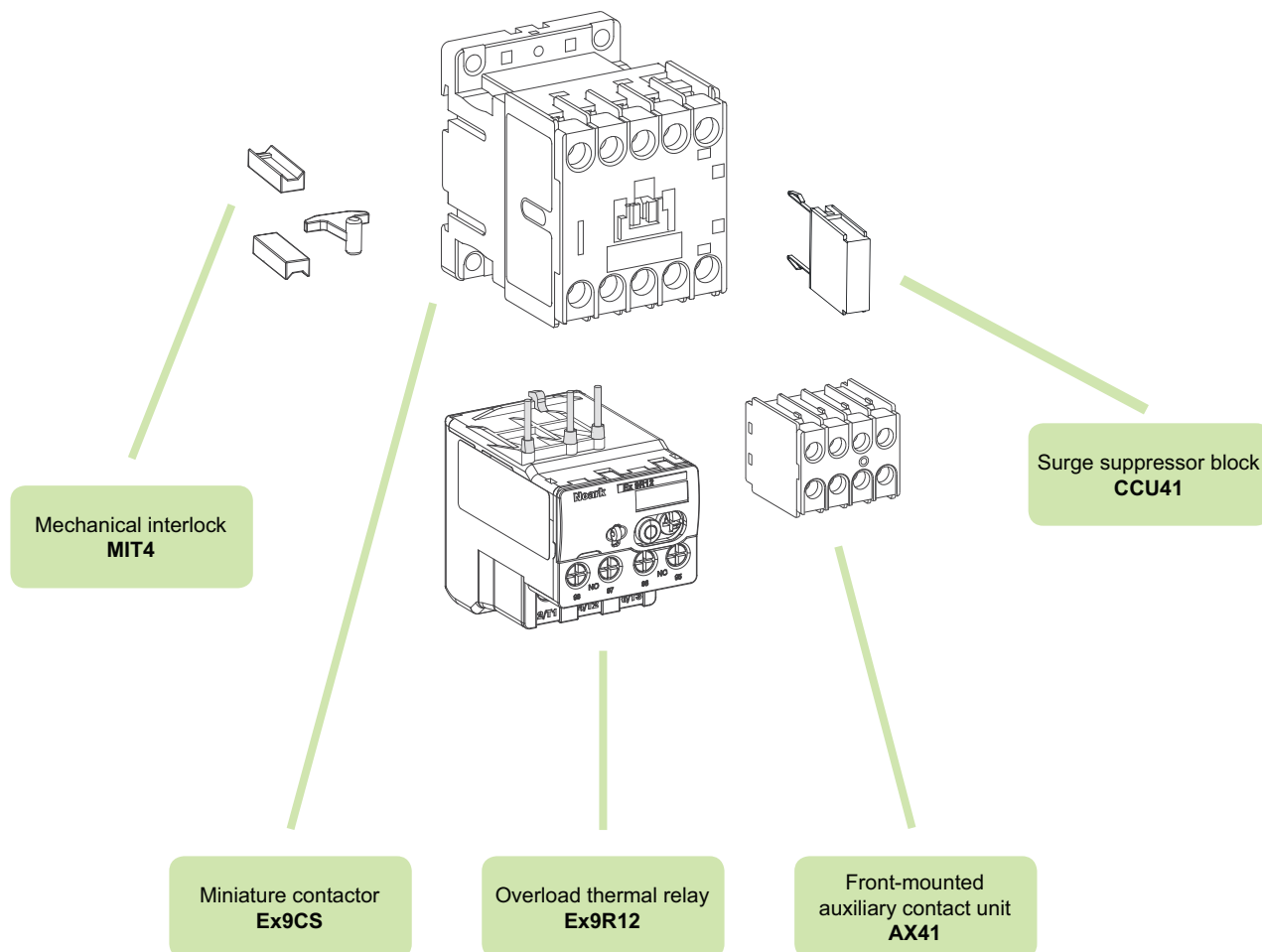


Certification marks



Miniature contactors Ex9CS

Accessories



Auxiliary contacts AX41

Overload thermal relays Ex9R12

Surge suppressor block CCU41

Mechanical interlock MIT4

see page 77

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Miniature contactors Ex9CS

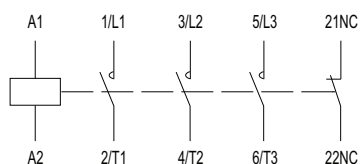
Rated current 6 A, 3-pole

- Miniature version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- Can be combined with overload relays Ex9R12

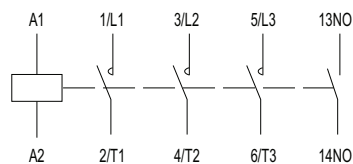


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	6 A	S12	3	1 NC	100956	Ex9CS06 01 3P 415V	1/72
400 V AC	6 A	S12	3	1 NC	100957	Ex9CS06 01 3P 400V	1/72
380 V AC	6 A	S12	3	1 NC	100958	Ex9CS06 01 3P 380V	1/72
240 V AC	6 A	S12	3	1 NC	100959	Ex9CS06 01 3P 240V	1/72
230 V AC	6 A	S12	3	1 NC	100960	Ex9CS06 01 3P 230V	1/72
220 V AC	6 A	S12	3	1 NC	100961	Ex9CS06 01 3P 220V	1/72
127 V AC	6 A	S12	3	1 NC	100962	Ex9CS06 01 3P 127V	1/72
110 V AC	6 A	S12	3	1 NC	100963	Ex9CS06 01 3P 110V	1/72
48 V AC	6 A	S12	3	1 NC	100964	Ex9CS06 01 3P 48V	1/72
42 V AC	6 A	S12	3	1 NC	100965	Ex9CS06 01 3P 42V	1/72
36 V AC	6 A	S12	3	1 NC	100966	Ex9CS06 01 3P 36V	1/72
24 V AC	6 A	S12	3	1 NC	100967	Ex9CS06 01 3P 24V	1/72
415 V AC	6 A	S12	3	1 NO	100968	Ex9CS06 10 3P 415V	1/72
400 V AC	6 A	S12	3	1 NO	100969	Ex9CS06 10 3P 400V	1/72
380 V AC	6 A	S12	3	1 NO	100970	Ex9CS06 10 3P 380V	1/72
240 V AC	6 A	S12	3	1 NO	100971	Ex9CS06 10 3P 240V	1/72
230 V AC	6 A	S12	3	1 NO	100972	Ex9CS06 10 3P 230V	1/72
220 V AC	6 A	S12	3	1 NO	100973	Ex9CS06 10 3P 220V	1/72
127 V AC	6 A	S12	3	1 NO	100974	Ex9CS06 10 3P 127V	1/72
110 V AC	6 A	S12	3	1 NO	100975	Ex9CS06 10 3P 110V	1/72
48 V AC	6 A	S12	3	1 NO	100976	Ex9CS06 10 3P 48V	1/72
42 V AC	6 A	S12	3	1 NO	100977	Ex9CS06 10 3P 42V	1/72
36 V AC	6 A	S12	3	1 NO	100978	Ex9CS06 10 3P 36V	1/72
24 V AC	6 A	S12	3	1 NO	100979	Ex9CS06 10 3P 24V	1/72

Wiring diagrams



Ex9CS06 01 3P



Ex9CS06 10 3P

Miniature contactors Ex9CS

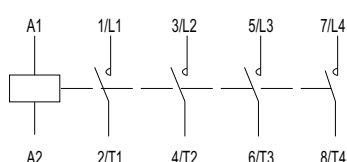
Rated current 6 A, 4-pole

- Miniature version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used

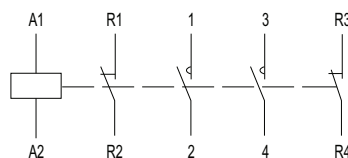


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	6 A	S12	4	-	100980	Ex9CS06 4P 415V	1/72
400 V AC	6 A	S12	4	-	100981	Ex9CS06 4P 400V	1/72
380 V AC	6 A	S12	4	-	100982	Ex9CS06 4P 380V	1/72
240 V AC	6 A	S12	4	-	100983	Ex9CS06 4P 240V	1/72
230 V AC	6 A	S12	4	-	100984	Ex9CS06 4P 230V	1/72
220 V AC	6 A	S12	4	-	100985	Ex9CS06 4P 220V	1/72
127 V AC	6 A	S12	4	-	100986	Ex9CS06 4P 127V	1/72
110 V AC	6 A	S12	4	-	100987	Ex9CS06 4P 110V	1/72
48 V AC	6 A	S12	4	-	100988	Ex9CS06 4P 48V	1/72
42 V AC	6 A	S12	4	-	100989	Ex9CS06 4P 42V	1/72
36 V AC	6 A	S12	4	-	100990	Ex9CS06 4P 36V	1/72
24 V AC	6 A	S12	4	-	100991	Ex9CS06 4P 24V	1/72
415 V AC	6 A	S12	2+2	-	100992	Ex9CS06 4P/22 415V	1/72
400 V AC	6 A	S12	2+2	-	100993	Ex9CS06 4P/22 400V	1/72
380 V AC	6 A	S12	2+2	-	100994	Ex9CS06 4P/22 380V	1/72
240 V AC	6 A	S12	2+2	-	100995	Ex9CS06 4P/22 240V	1/72
230 V AC	6 A	S12	2+2	-	100996	Ex9CS06 4P/22 230V	1/72
220 V AC	6 A	S12	2+2	-	100997	Ex9CS06 4P/22 220V	1/72
127 V AC	6 A	S12	2+2	-	100998	Ex9CS06 4P/22 127V	1/72
110 V AC	6 A	S12	2+2	-	100999	Ex9CS06 4P/22 110V	1/72
48 V AC	6 A	S12	2+2	-	101000	Ex9CS06 4P/22 48V	1/72
42 V AC	6 A	S12	2+2	-	101001	Ex9CS06 4P/22 42V	1/72
36 V AC	6 A	S12	2+2	-	101002	Ex9CS06 4P/22 36V	1/72
24 V AC	6 A	S12	2+2	-	101003	Ex9CS06 4P/22 24V	1/72

Wiring diagrams



Ex9CS06 4P



Ex9CS06 4P/22

Miniature contactors Ex9CS

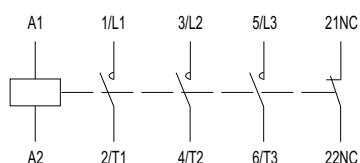
Rated current 9 A, 3-pole

- Miniature version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- Can be combined with overload relays Ex9R12

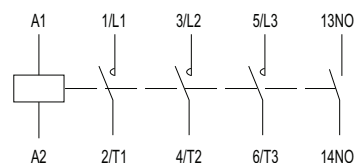


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	9 A	S12	3	1 NC	101004	Ex9CS09 01 3P 415V	1/72
400 V AC	9 A	S12	3	1 NC	101005	Ex9CS09 01 3P 400V	1/72
380 V AC	9 A	S12	3	1 NC	101006	Ex9CS09 01 3P 380V	1/72
240 V AC	9 A	S12	3	1 NC	101007	Ex9CS09 01 3P 240V	1/72
230 V AC	9 A	S12	3	1 NC	101008	Ex9CS09 01 3P 230V	1/72
220 V AC	9 A	S12	3	1 NC	101009	Ex9CS09 01 3P 220V	1/72
127 V AC	9 A	S12	3	1 NC	101010	Ex9CS09 01 3P 127V	1/72
110 V AC	9 A	S12	3	1 NC	101011	Ex9CS09 01 3P 110V	1/72
48 V AC	9 A	S12	3	1 NC	101012	Ex9CS09 01 3P 48V	1/72
42 V AC	9 A	S12	3	1 NC	101013	Ex9CS09 01 3P 42V	1/72
36 V AC	9 A	S12	3	1 NC	101014	Ex9CS09 01 3P 36V	1/72
24 V AC	9 A	S12	3	1 NC	101015	Ex9CS09 01 3P 24V	1/72
415 V AC	9 A	S12	3	1 NO	101016	Ex9CS09 10 3P 415V	1/72
400 V AC	9 A	S12	3	1 NO	101017	Ex9CS09 10 3P 400V	1/72
380 V AC	9 A	S12	3	1 NO	101018	Ex9CS09 10 3P 380V	1/72
240 V AC	9 A	S12	3	1 NO	101019	Ex9CS09 10 3P 240V	1/72
230 V AC	9 A	S12	3	1 NO	101020	Ex9CS09 10 3P 230V	1/72
220 V AC	9 A	S12	3	1 NO	101021	Ex9CS09 10 3P 220V	1/72
127 V AC	9 A	S12	3	1 NO	101022	Ex9CS09 10 3P 127V	1/72
110 V AC	9 A	S12	3	1 NO	101023	Ex9CS09 10 3P 110V	1/72
48 V AC	9 A	S12	3	1 NO	101024	Ex9CS09 10 3P 48V	1/72
42 V AC	9 A	S12	3	1 NO	101025	Ex9CS09 10 3P 42V	1/72
36 V AC	9 A	S12	3	1 NO	101026	Ex9CS09 10 3P 36V	1/72
24 V AC	9 A	S12	3	1 NO	101027	Ex9CS09 10 3P 24V	1/72

Wiring diagrams



Ex9CS09 01 3P



Ex9CS09 10 3P

Miniature contactors Ex9CS

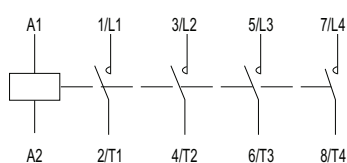
Rated current 9 A, 4-pole

- Miniature version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used

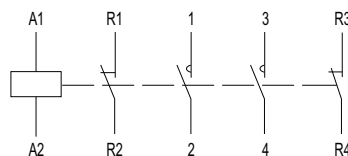


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	9 A	S12	4	-	101028	Ex9CS09 4P 415V	1/72
400 V AC	9 A	S12	4	-	101029	Ex9CS09 4P 400V	1/72
380 V AC	9 A	S12	4	-	101030	Ex9CS09 4P 380V	1/72
240 V AC	9 A	S12	4	-	101031	Ex9CS09 4P 240V	1/72
230 V AC	9 A	S12	4	-	101032	Ex9CS09 4P 230V	1/72
220 V AC	9 A	S12	4	-	101033	Ex9CS09 4P 220V	1/72
127 V AC	9 A	S12	4	-	101034	Ex9CS09 4P 127V	1/72
110 V AC	9 A	S12	4	-	101035	Ex9CS09 4P 110V	1/72
48 V AC	9 A	S12	4	-	101036	Ex9CS09 4P 48V	1/72
42 V AC	9 A	S12	4	-	101037	Ex9CS09 4P 42V	1/72
36 V AC	9 A	S12	4	-	101038	Ex9CS09 4P 36V	1/72
24 V AC	9 A	S12	4	-	101039	Ex9CS09 4P 24V	1/72
415 V AC	9 A	S12	2+2	-	101040	Ex9CS09 4P/22 415V	1/72
400 V AC	9 A	S12	2+2	-	101041	Ex9CS09 4P/22 400V	1/72
380 V AC	9 A	S12	2+2	-	101042	Ex9CS09 4P/22 380V	1/72
240 V AC	9 A	S12	2+2	-	101043	Ex9CS09 4P/22 240V	1/72
230 V AC	9 A	S12	2+2	-	101044	Ex9CS09 4P/22 230V	1/72
220 V AC	9 A	S12	2+2	-	101045	Ex9CS09 4P/22 220V	1/72
127 V AC	9 A	S12	2+2	-	101046	Ex9CS09 4P/22 127V	1/72
110 V AC	9 A	S12	2+2	-	101047	Ex9CS09 4P/22 110V	1/72
48 V AC	9 A	S12	2+2	-	101048	Ex9CS09 4P/22 48V	1/72
42 V AC	9 A	S12	2+2	-	101049	Ex9CS09 4P/22 42V	1/72
36 V AC	9 A	S12	2+2	-	101050	Ex9CS09 4P/22 36V	1/72
24 V AC	9 A	S12	2+2	-	101051	Ex9CS09 4P/22 24V	1/72

Wiring diagrams



Ex9CS09 4P



Ex9CS09 4P/22

Miniature contactors Ex9CS

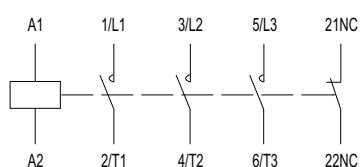
Rated current 12 A, 3-pole

- Miniature version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- Can be combined with overload relays Ex9R12

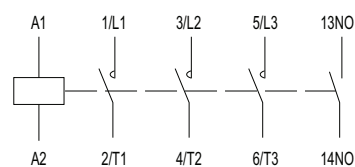


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	12 A	S12	3	1 NC	101052	Ex9CS12 01 3P 415V	1/72
400 V AC	12 A	S12	3	1 NC	101053	Ex9CS12 01 3P 400V	1/72
380 V AC	12 A	S12	3	1 NC	101054	Ex9CS12 01 3P 380V	1/72
240 V AC	12 A	S12	3	1 NC	101055	Ex9CS12 01 3P 240V	1/72
230 V AC	12 A	S12	3	1 NC	101056	Ex9CS12 01 3P 230V	1/72
220 V AC	12 A	S12	3	1 NC	101057	Ex9CS12 01 3P 220V	1/72
127 V AC	12 A	S12	3	1 NC	101058	Ex9CS12 01 3P 127V	1/72
110 V AC	12 A	S12	3	1 NC	101059	Ex9CS12 01 3P 110V	1/72
48 V AC	12 A	S12	3	1 NC	101060	Ex9CS12 01 3P 48V	1/72
42 V AC	12 A	S12	3	1 NC	101061	Ex9CS12 01 3P 42V	1/72
36 V AC	12 A	S12	3	1 NC	101062	Ex9CS12 01 3P 36V	1/72
24 V AC	12 A	S12	3	1 NC	101063	Ex9CS12 01 3P 24V	1/72
415 V AC	12 A	S12	3	1 NO	101064	Ex9CS12 10 3P 415V	1/72
400 V AC	12 A	S12	3	1 NO	101065	Ex9CS12 10 3P 400V	1/72
380 V AC	12 A	S12	3	1 NO	101066	Ex9CS12 10 3P 380V	1/72
240 V AC	12 A	S12	3	1 NO	101067	Ex9CS12 10 3P 240V	1/72
230 V AC	12 A	S12	3	1 NO	101068	Ex9CS12 10 3P 230V	1/72
220 V AC	12 A	S12	3	1 NO	101069	Ex9CS12 10 3P 220V	1/72
127 V AC	12 A	S12	3	1 NO	101070	Ex9CS12 10 3P 127V	1/72
110 V AC	12 A	S12	3	1 NO	101071	Ex9CS12 10 3P 110V	1/72
48 V AC	12 A	S12	3	1 NO	101072	Ex9CS12 10 3P 48V	1/72
42 V AC	12 A	S12	3	1 NO	101073	Ex9CS12 10 3P 42V	1/72
36 V AC	12 A	S12	3	1 NO	101074	Ex9CS12 10 3P 36V	1/72
24 V AC	12 A	S12	3	1 NO	101075	Ex9CS12 10 3P 24V	1/72

Wiring diagrams



Ex9CS12 01 3P



Ex9CS12 10 3P

Miniature contactors Ex9CS

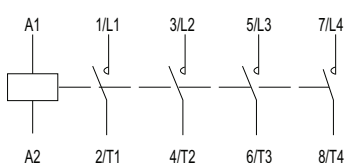
Rated current 12 A, 4-pole

- Miniature version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used

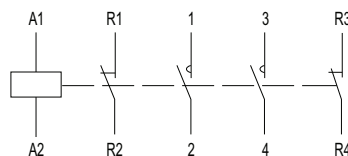


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	12 A	S12	4	-	101076	Ex9CS12 4P 415V	1/72
400 V AC	12 A	S12	4	-	101077	Ex9CS12 4P 400V	1/72
380 V AC	12 A	S12	4	-	101078	Ex9CS12 4P 380V	1/72
240 V AC	12 A	S12	4	-	101079	Ex9CS12 4P 240V	1/72
230 V AC	12 A	S12	4	-	101080	Ex9CS12 4P 230V	1/72
220 V AC	12 A	S12	4	-	101081	Ex9CS12 4P 220V	1/72
127 V AC	12 A	S12	4	-	101082	Ex9CS12 4P 127V	1/72
110 V AC	12 A	S12	4	-	101083	Ex9CS12 4P 110V	1/72
48 V AC	12 A	S12	4	-	101084	Ex9CS12 4P 48V	1/72
42 V AC	12 A	S12	4	-	101085	Ex9CS12 4P 42V	1/72
36 V AC	12 A	S12	4	-	101086	Ex9CS12 4P 36V	1/72
24 V AC	12 A	S12	4	-	101087	Ex9CS12 4P 24V	1/72
415 V AC	12 A	S12	2+2	-	101088	Ex9CS12 4P/22 415V	1/72
400 V AC	12 A	S12	2+2	-	101089	Ex9CS12 4P/22 400V	1/72
380 V AC	12 A	S12	2+2	-	101090	Ex9CS12 4P/22 380V	1/72
240 V AC	12 A	S12	2+2	-	101091	Ex9CS12 4P/22 240V	1/72
230 V AC	12 A	S12	2+2	-	101092	Ex9CS12 4P/22 230V	1/72
220 V AC	12 A	S12	2+2	-	101093	Ex9CS12 4P/22 220V	1/72
127 V AC	12 A	S12	2+2	-	101094	Ex9CS12 4P/22 127V	1/72
110 V AC	12 A	S12	2+2	-	101095	Ex9CS12 4P/22 110V	1/72
48 V AC	12 A	S12	2+2	-	101096	Ex9CS12 4P/22 48V	1/72
42 V AC	12 A	S12	2+2	-	101097	Ex9CS12 4P/22 42V	1/72
36 V AC	12 A	S12	2+2	-	101098	Ex9CS12 4P/22 36V	1/72
24 V AC	12 A	S12	2+2	-	101099	Ex9CS12 4P/22 24V	1/72

Wiring diagrams



Ex9CS12 4P



Ex9CS12 4P/22

Miniature reversible contactors Ex9CSR



- Reversible combinations of miniature contactors
- Tested according to IEC / EN 60947-4-1
- 3 and 4-pole versions
- Rated current AC-3 6, 9 and 12 A at 400 V
- Coil control voltage 24 — 415 V AC
- Conditional short circuit current I_q 50 kA
- Mechanical interlock
- Mounting onto device rail (DIN) 35 mm or onto panel

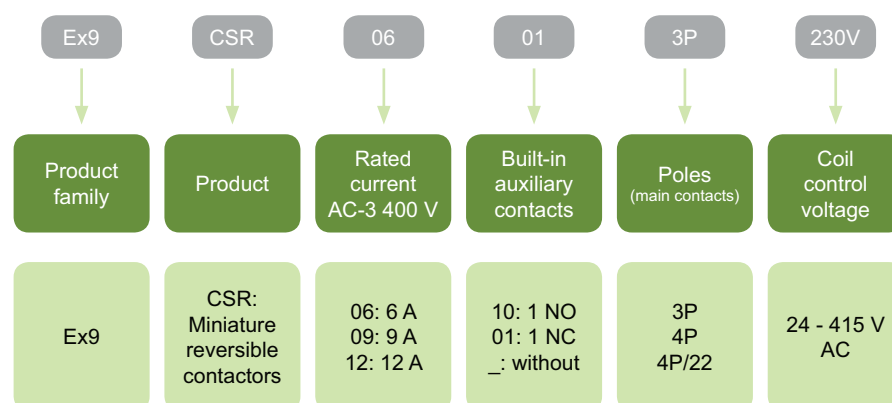
Miniature reversible contactors Ex9CSR brings excellent electric parameters in the form of very compact device. These contactors are used mainly for switching of asynchronous motors with possibility of change of rotation direction. They can also be used for switching of two circuits when it is necessary to ensure that maximum one circuit is connected.

The combinations are equipped with mechanical interlock. Additional electrical interlock of control voltages (e.g. for EN 60204) can be implemented by means of auxiliary contacts AX42 or built-in auxiliary contacts.

Thanks to compact dimensions, Ex9CSR contactors are ideal solution for space limited installations.

The same function can be achieved by combination of two contactors Ex9CS with mechanical interlock MIT41.

Type Key

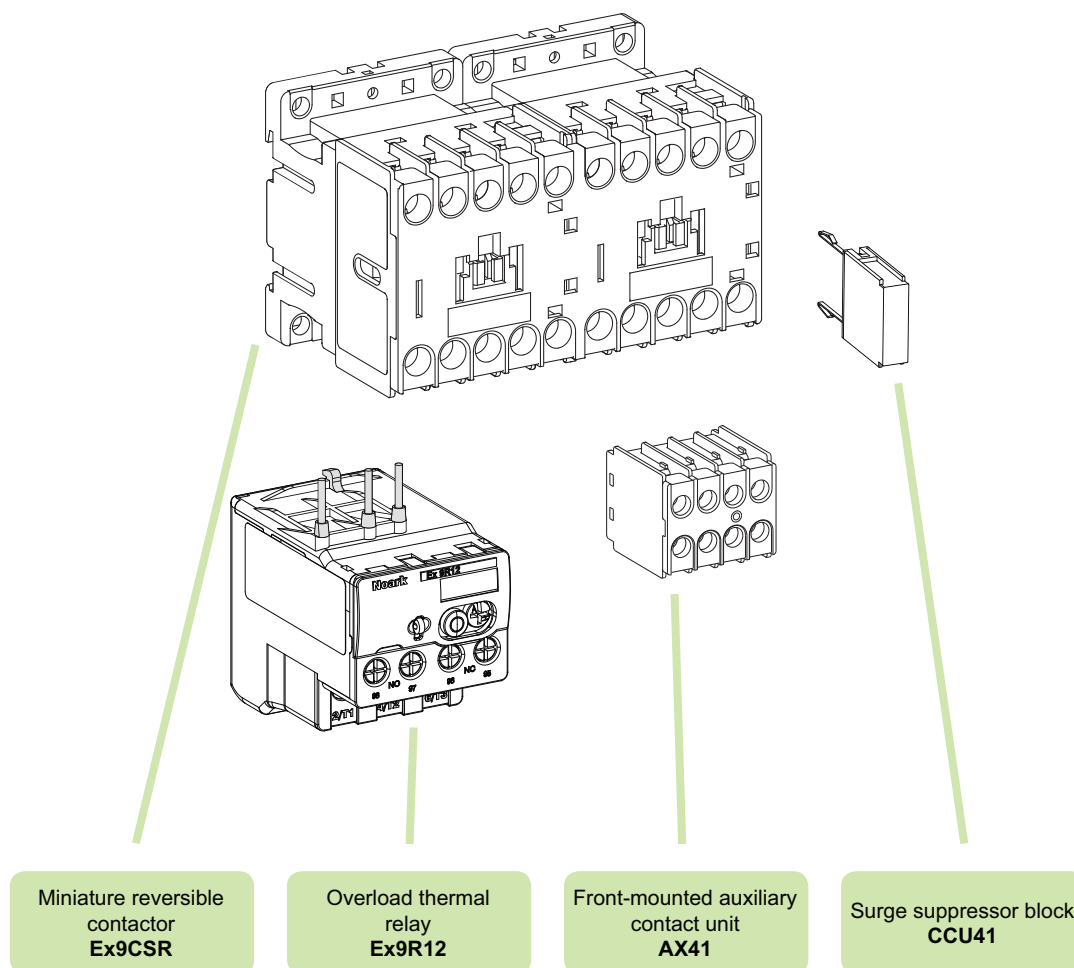


Certification marks



Miniature reversible contactors Ex9CSR

Accessories



Auxiliary contacts AX41

Overload thermal relays Ex9R12

Surge suppressor block CCU41

see page 77

see page 85

see page 80

Miniature reversible contactors Ex9CSR

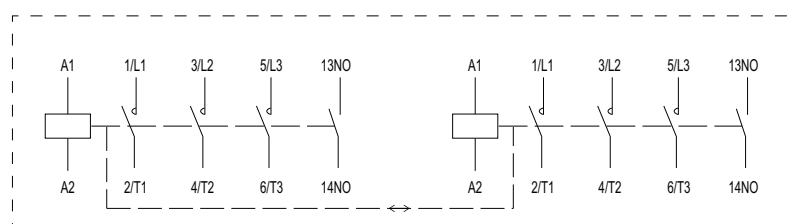
Rated current 6 A, 3-pole

- Miniature reversible version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- Can be combined with overload relays Ex9R12
- A number of built-in auxiliary contacts given belongs to single contactor unit in the pair

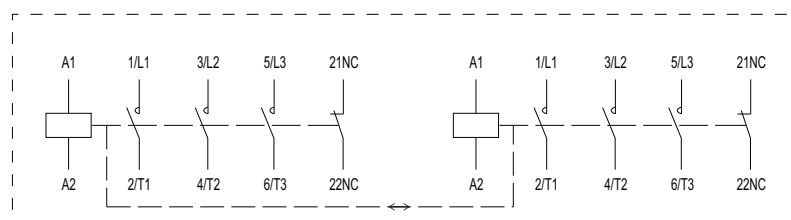


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	6 A	S12	3	1 NO	104506	Ex9CSR06 10 3P 415V	1/72
400 V AC	6 A	S12	3	1 NO	104507	Ex9CSR06 10 3P 400V	1/72
380 V AC	6 A	S12	3	1 NO	104508	Ex9CSR06 10 3P 380V	1/72
240 V AC	6 A	S12	3	1 NO	104511	Ex9CSR06 10 3P 240V	1/72
230 V AC	6 A	S12	3	1 NO	104512	Ex9CSR06 10 3P 230V	1/72
220 V AC	6 A	S12	3	1 NO	104513	Ex9CSR06 10 3P 220V	1/72
127 V AC	6 A	S12	3	1 NO	104514	Ex9CSR06 10 3P 127V	1/72
110 V AC	6 A	S12	3	1 NO	104515	Ex9CSR06 10 3P 110V	1/72
48 V AC	6 A	S12	3	1 NO	104504	Ex9CSR06 10 3P 48V	1/72
42 V AC	6 A	S12	3	1 NO	104505	Ex9CSR06 10 3P 42V	1/72
36 V AC	6 A	S12	3	1 NO	104509	Ex9CSR06 10 3P 36V	1/72
24 V AC	6 A	S12	3	1 NO	104510	Ex9CSR06 10 3P 24V	1/72
415 V AC	6 A	S12	3	1 NC	104518	Ex9CSR06 01 3P 415V	1/72
400 V AC	6 A	S12	3	1 NC	104519	Ex9CSR06 01 3P 400V	1/72
380 V AC	6 A	S12	3	1 NC	104520	Ex9CSR06 01 3P 380V	1/72
240 V AC	6 A	S12	3	1 NC	104523	Ex9CSR06 01 3P 240V	1/72
230 V AC	6 A	S12	3	1 NC	104524	Ex9CSR06 01 3P 230V	1/72
220 V AC	6 A	S12	3	1 NC	104525	Ex9CSR06 01 3P 220V	1/72
127 V AC	6 A	S12	3	1 NC	104526	Ex9CSR06 01 3P 127V	1/72
110 V AC	6 A	S12	3	1 NC	104527	Ex9CSR06 01 3P 110V	1/72
48 V AC	6 A	S12	3	1 NC	104516	Ex9CSR06 01 3P 48V	1/72
42 V AC	6 A	S12	3	1 NC	104517	Ex9CSR06 01 3P 42V	1/72
36 V AC	6 A	S12	3	1 NC	104521	Ex9CSR06 01 3P 36V	1/72
24 V AC	6 A	S12	3	1 NC	104522	Ex9CSR06 01 3P 24V	1/72

Wiring diagrams



Ex9CSR 3P 1NO



Ex9CSR 3P 1NC

Miniature reversible contactors Ex9CSR

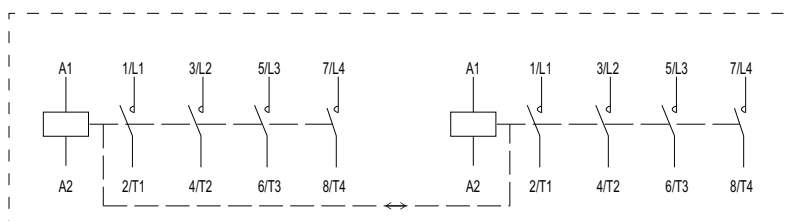
Rated current 6 A, 4-pole

- Miniature reversible version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- A number of built-in auxiliary contacts given belongs to single contactor unit in the pair

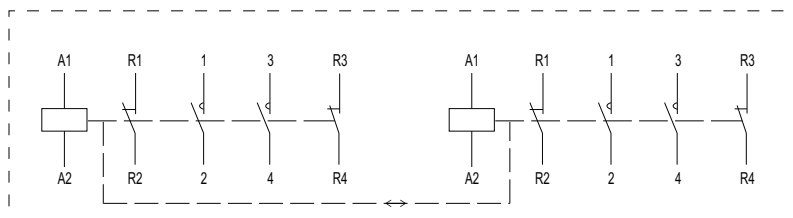


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	6 A	S12	4P	-	104542	Ex9CSR06 4P 415V	1/72
400 V AC	6 A	S12	4P	-	104543	Ex9CSR06 4P 400V	1/72
380 V AC	6 A	S12	4P	-	104544	Ex9CSR06 4P 380V	1/72
240 V AC	6 A	S12	4P	-	104547	Ex9CSR06 4P 240V	1/72
230 V AC	6 A	S12	4P	-	104548	Ex9CSR06 4P 230V	1/72
220 V AC	6 A	S12	4P	-	104549	Ex9CSR06 4P 220V	1/72
127 V AC	6 A	S12	4P	-	104550	Ex9CSR06 4P 127V	1/72
110 V AC	6 A	S12	4P	-	104551	Ex9CSR06 4P 110V	1/72
48 V AC	6 A	S12	4P	-	104540	Ex9CSR06 4P 48V	1/72
42 V AC	6 A	S12	4P	-	104541	Ex9CSR06 4P 42V	1/72
36 V AC	6 A	S12	4P	-	104545	Ex9CSR06 4P 36V	1/72
24 V AC	6 A	S12	4P	-	104546	Ex9CSR06 4P 24V	1/72
415 V AC	6 A	S12	2+2	-	104530	Ex9CSR06 4P/22 415V	1/72
400 V AC	6 A	S12	2+2	-	104531	Ex9CSR06 4P/22 400V	1/72
380 V AC	6 A	S12	2+2	-	104532	Ex9CSR06 4P/22 380V	1/72
240 V AC	6 A	S12	2+2	-	104535	Ex9CSR06 4P/22 240V	1/72
230 V AC	6 A	S12	2+2	-	104536	Ex9CSR06 4P/22 230V	1/72
220 V AC	6 A	S12	2+2	-	104537	Ex9CSR06 4P/22 220V	1/72
127 V AC	6 A	S12	2+2	-	104538	Ex9CSR06 4P/22 127V	1/72
110 V AC	6 A	S12	2+2	-	104539	Ex9CSR06 4P/22 110V	1/72
48 V AC	6 A	S12	2+2	-	104528	Ex9CSR06 4P/22 48V	1/72
42 V AC	6 A	S12	2+2	-	104529	Ex9CSR06 4P/22 42V	1/72
36 V AC	6 A	S12	2+2	-	104533	Ex9CSR06 4P/22 36V	1/72
24 V AC	6 A	S12	2+2	-	104534	Ex9CSR06 4P/22 24V	1/72

Wiring diagrams



Ex9CSR 4P



Ex9CSR 4P/22

Miniature reversible contactors Ex9CSR

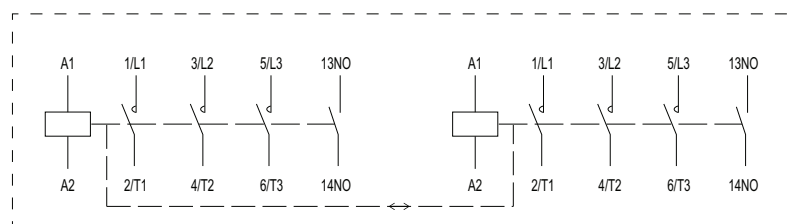
Rated current 9 A, 3-pole

- Miniature reversible version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- Can be combined with overload relays Ex9R12
- A number of built-in auxiliary contacts given belongs to single contactor unit in the pair

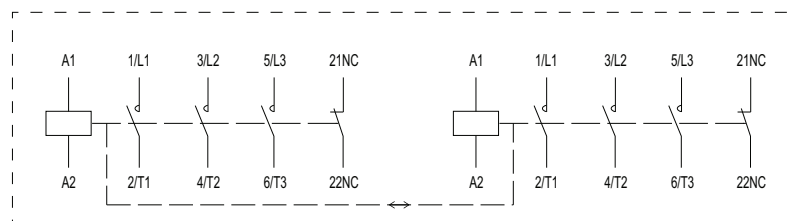


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	9 A	S12	3P	1 NO	104554	Ex9CSR09 10 3P 415V	1/72
400 V AC	9 A	S12	3P	1 NO	104555	Ex9CSR09 10 3P 400V	1/72
380 V AC	9 A	S12	3P	1 NO	104556	Ex9CSR09 10 3P 380V	1/72
240 V AC	9 A	S12	3P	1 NO	104559	Ex9CSR09 10 3P 240V	1/72
230 V AC	9 A	S12	3P	1 NO	104560	Ex9CSR09 10 3P 230V	1/72
220 V AC	9 A	S12	3P	1 NO	104561	Ex9CSR09 10 3P 220V	1/72
127 V AC	9 A	S12	3P	1 NO	104562	Ex9CSR09 10 3P 127V	1/72
110 V AC	9 A	S12	3P	1 NO	104563	Ex9CSR09 10 3P 110V	1/72
48 V AC	9 A	S12	3P	1 NO	104552	Ex9CSR09 10 3P 48V	1/72
42 V AC	9 A	S12	3P	1 NO	104553	Ex9CSR09 10 3P 42V	1/72
36 V AC	9 A	S12	3P	1 NO	104557	Ex9CSR09 10 3P 36V	1/72
24 V AC	9 A	S12	3P	1 NO	104558	Ex9CSR09 10 3P 24V	1/72
415 V AC	9 A	S12	3P	1 NC	104566	Ex9CSR09 01 3P 415V	1/72
400 V AC	9 A	S12	3P	1 NC	104567	Ex9CSR09 01 3P 400V	1/72
380 V AC	9 A	S12	3P	1 NC	104568	Ex9CSR09 01 3P 380V	1/72
240 V AC	9 A	S12	3P	1 NC	104571	Ex9CSR09 01 3P 240V	1/72
230 V AC	9 A	S12	3P	1 NC	104572	Ex9CSR09 01 3P 230V	1/72
220 V AC	9 A	S12	3P	1 NC	104573	Ex9CSR09 01 3P 220V	1/72
127 V AC	9 A	S12	3P	1 NC	104574	Ex9CSR09 01 3P 127V	1/72
110 V AC	9 A	S12	3P	1 NC	104575	Ex9CSR09 01 3P 110V	1/72
48 V AC	9 A	S12	3P	1 NC	104564	Ex9CSR09 01 3P 48V	1/72
42 V AC	9 A	S12	3P	1 NC	104565	Ex9CSR09 01 3P 42V	1/72
36 V AC	9 A	S12	3P	1 NC	104569	Ex9CSR09 01 3P 36V	1/72
24 V AC	9 A	S12	3P	1 NC	104570	Ex9CSR09 01 3P 24V	1/72

Wiring diagrams



Ex9CSR 3P 1NO



Ex9CSR 3P 1NC

Miniature reversible contactors Ex9CSR

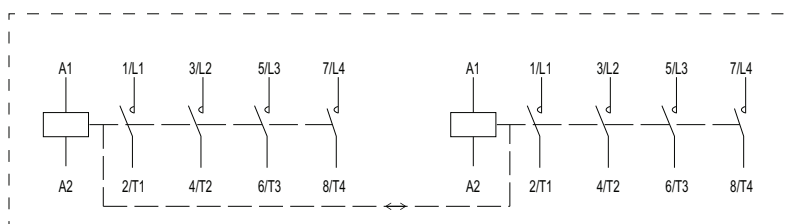
Rated current 9 A, 4-pole

- Miniature reversible version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- A number of built-in auxiliary contacts given belongs to single contactor unit in the pair

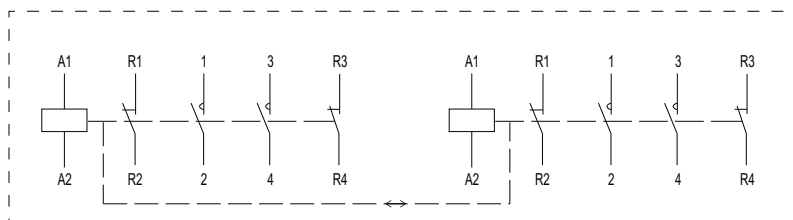


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	9 A	S12	4P	-	104590	Ex9CSR09 4P 415V	1/72
400 V AC	9 A	S12	4P	-	104591	Ex9CSR09 4P 400V	1/72
380 V AC	9 A	S12	4P	-	104592	Ex9CSR09 4P 380V	1/72
240 V AC	9 A	S12	4P	-	104595	Ex9CSR09 4P 240V	1/72
230 V AC	9 A	S12	4P	-	104596	Ex9CSR09 4P 230V	1/72
220 V AC	9 A	S12	4P	-	104597	Ex9CSR09 4P 220V	1/72
127 V AC	9 A	S12	4P	-	104598	Ex9CSR09 4P 127V	1/72
110 V AC	9 A	S12	4P	-	104599	Ex9CSR09 4P 110V	1/72
48 V AC	9 A	S12	4P	-	104588	Ex9CSR09 4P 48V	1/72
42 V AC	9 A	S12	4P	-	104589	Ex9CSR09 4P 42V	1/72
36 V AC	9 A	S12	4P	-	104593	Ex9CSR09 4P 36V	1/72
24 V AC	9 A	S12	4P	-	104594	Ex9CSR09 4P 24V	1/72
415 V AC	9 A	S12	2+2	-	104578	Ex9CSR09 4P/22 415V	1/72
400 V AC	9 A	S12	2+2	-	104579	Ex9CSR09 4P/22 400V	1/72
380 V AC	9 A	S12	2+2	-	104580	Ex9CSR09 4P/22 380V	1/72
240 V AC	9 A	S12	2+2	-	104583	Ex9CSR09 4P/22 240V	1/72
230 V AC	9 A	S12	2+2	-	104584	Ex9CSR09 4P/22 230V	1/72
220 V AC	9 A	S12	2+2	-	104585	Ex9CSR09 4P/22 220V	1/72
127 V AC	9 A	S12	2+2	-	104586	Ex9CSR09 4P/22 127V	1/72
110 V AC	9 A	S12	2+2	-	104587	Ex9CSR09 4P/22 110V	1/72
48 V AC	9 A	S12	2+2	-	104576	Ex9CSR09 4P/22 48V	1/72
42 V AC	9 A	S12	2+2	-	104577	Ex9CSR09 4P/22 42V	1/72
36 V AC	9 A	S12	2+2	-	104581	Ex9CSR09 4P/22 36V	1/72
24 V AC	9 A	S12	2+2	-	104582	Ex9CSR09 4P/22 24V	1/72

Wiring diagrams



Ex9CSR 4P



Ex9CSR 4P/22

Miniature reversible contactors Ex9CSR

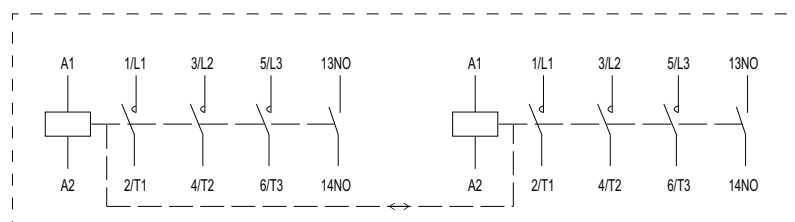
Rated current 12 A, 3-pole

- Miniature reversible version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- Can be combined with overload relays Ex9R12
- A number of built-in auxiliary contacts given belongs to single contactor unit in the pair

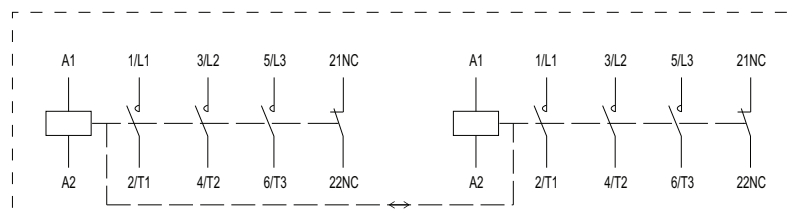


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	12 A	S12	3P	1 NO	104602	Ex9CSR12 10 3P 415V	1/72
400 V AC	12 A	S12	3P	1 NO	104603	Ex9CSR12 10 3P 400V	1/72
380 V AC	12 A	S12	3P	1 NO	104604	Ex9CSR12 10 3P 380V	1/72
240 V AC	12 A	S12	3P	1 NO	104607	Ex9CSR12 10 3P 240V	1/72
230 V AC	12 A	S12	3P	1 NO	104608	Ex9CSR12 10 3P 230V	1/72
220 V AC	12 A	S12	3P	1 NO	104609	Ex9CSR12 10 3P 220V	1/72
127 V AC	12 A	S12	3P	1 NO	104610	Ex9CSR12 10 3P 127V	1/72
110 V AC	12 A	S12	3P	1 NO	104611	Ex9CSR12 10 3P 110V	1/72
48 V AC	12 A	S12	3P	1 NO	104600	Ex9CSR12 10 3P 48V	1/72
42 V AC	12 A	S12	3P	1 NO	104601	Ex9CSR12 10 3P 42V	1/72
36 V AC	12 A	S12	3P	1 NO	104605	Ex9CSR12 10 3P 36V	1/72
24 V AC	12 A	S12	3P	1 NO	104606	Ex9CSR12 10 3P 24V	1/72
415 V AC	12 A	S12	3P	1 NC	104614	Ex9CSR12 01 3P 415V	1/72
400 V AC	12 A	S12	3P	1 NC	104615	Ex9CSR12 01 3P 400V	1/72
380 V AC	12 A	S12	3P	1 NC	104616	Ex9CSR12 01 3P 380V	1/72
240 V AC	12 A	S12	3P	1 NC	104619	Ex9CSR12 01 3P 240V	1/72
230 V AC	12 A	S12	3P	1 NC	104620	Ex9CSR12 01 3P 230V	1/72
220 V AC	12 A	S12	3P	1 NC	104621	Ex9CSR12 01 3P 220V	1/72
127 V AC	12 A	S12	3P	1 NC	104622	Ex9CSR12 01 3P 127V	1/72
110 V AC	12 A	S12	3P	1 NC	104623	Ex9CSR12 01 3P 110V	1/72
48 V AC	12 A	S12	3P	1 NC	104612	Ex9CSR12 01 3P 48V	1/72
42 V AC	12 A	S12	3P	1 NC	104613	Ex9CSR12 01 3P 42V	1/72
36 V AC	12 A	S12	3P	1 NC	104617	Ex9CSR12 01 3P 36V	1/72
24 V AC	12 A	S12	3P	1 NC	104618	Ex9CSR12 01 3P 24V	1/72

Wiring diagrams



Ex9CSR 3P 1NO



Ex9CSR 3P 1NC

Miniature reversible contactors Ex9CSR

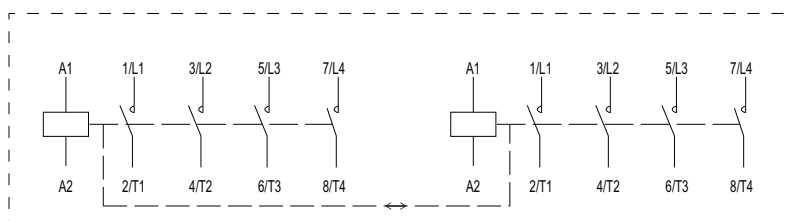
Rated current 12 A, 4-pole

- Miniature reversible version of contactor
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted auxiliary contacts AX41.. can be used
- A number of built-in auxiliary contacts given belongs to single contactor unit in the pair

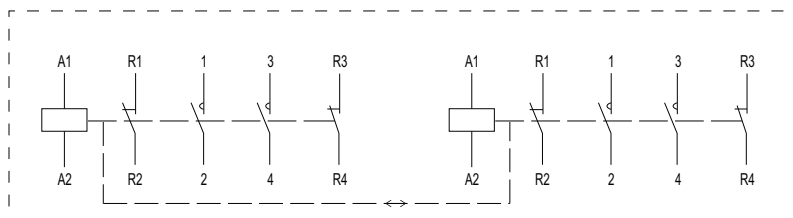


Control voltage	AC-3 I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	12 A	S12	4P	-	104638	Ex9CSR12 4P 415V	1/72
400 V AC	12 A	S12	4P	-	104639	Ex9CSR12 4P 400V	1/72
380 V AC	12 A	S12	4P	-	104640	Ex9CSR12 4P 380V	1/72
240 V AC	12 A	S12	4P	-	104643	Ex9CSR12 4P 240V	1/72
230 V AC	12 A	S12	4P	-	104644	Ex9CSR12 4P 230V	1/72
220 V AC	12 A	S12	4P	-	104645	Ex9CSR12 4P 220V	1/72
127 V AC	12 A	S12	4P	-	104646	Ex9CSR12 4P 127V	1/72
110 V AC	12 A	S12	4P	-	104647	Ex9CSR12 4P 110V	1/72
48 V AC	12 A	S12	4P	-	104636	Ex9CSR12 4P 48V	1/72
42 V AC	12 A	S12	4P	-	104637	Ex9CSR12 4P 42V	1/72
36 V AC	12 A	S12	4P	-	104641	Ex9CSR12 4P 36V	1/72
24 V AC	12 A	S12	4P	-	104642	Ex9CSR12 4P 24V	1/72
415 V AC	12 A	S12	2+2	-	104626	Ex9CSR12 4P/22 415V	1/72
400 V AC	12 A	S12	2+2	-	104627	Ex9CSR12 4P/22 400V	1/72
380 V AC	12 A	S12	2+2	-	104628	Ex9CSR12 4P/22 380V	1/72
240 V AC	12 A	S12	2+2	-	104631	Ex9CSR12 4P/22 240V	1/72
230 V AC	12 A	S12	2+2	-	104632	Ex9CSR12 4P/22 230V	1/72
220 V AC	12 A	S12	2+2	-	104633	Ex9CSR12 4P/22 220V	1/72
127 V AC	12 A	S12	2+2	-	104634	Ex9CSR12 4P/22 127V	1/72
110 V AC	12 A	S12	2+2	-	104635	Ex9CSR12 4P/22 110V	1/72
48 V AC	12 A	S12	2+2	-	104624	Ex9CSR12 4P/22 48V	1/72
42 V AC	12 A	S12	2+2	-	104625	Ex9CSR12 4P/22 42V	1/72
36 V AC	12 A	S12	2+2	-	104629	Ex9CSR12 4P/22 36V	1/72
24 V AC	12 A	S12	2+2	-	104630	Ex9CSR12 4P/22 24V	1/72

Wiring diagrams



Ex9CSR 4P



Ex9CSR 4P/22

Contactors Ex9C up to 100 A

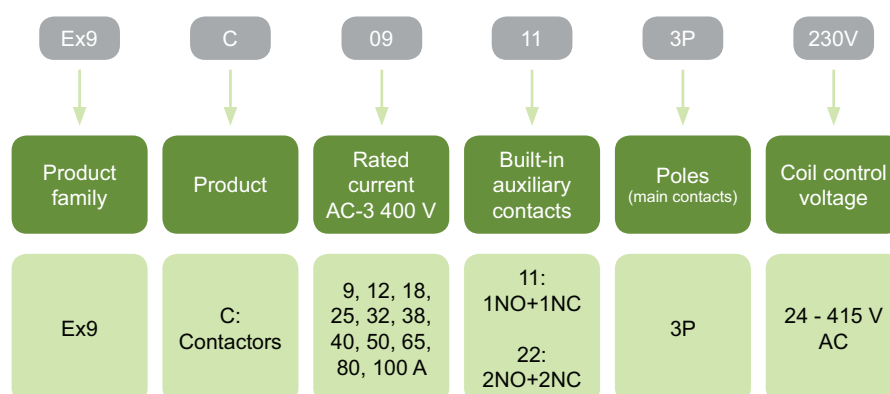


- Contactors according to IEC / EN 60947-4-1
- Four frame sizes with rated current up to 100 A at 400 V AC-3
- 3-pole versions
- Coil control voltage 24 — 415 V AC
- Rated conditional short circuit current I_q 50 kA
- Suitable mainly for industrial applications, can be used also for domestic ones
- Mounting 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

Frame sizes



Frame size 18
Rated currents 9, 12, 18 A



Frame size 38
Rated currents 25, 32, 38 A



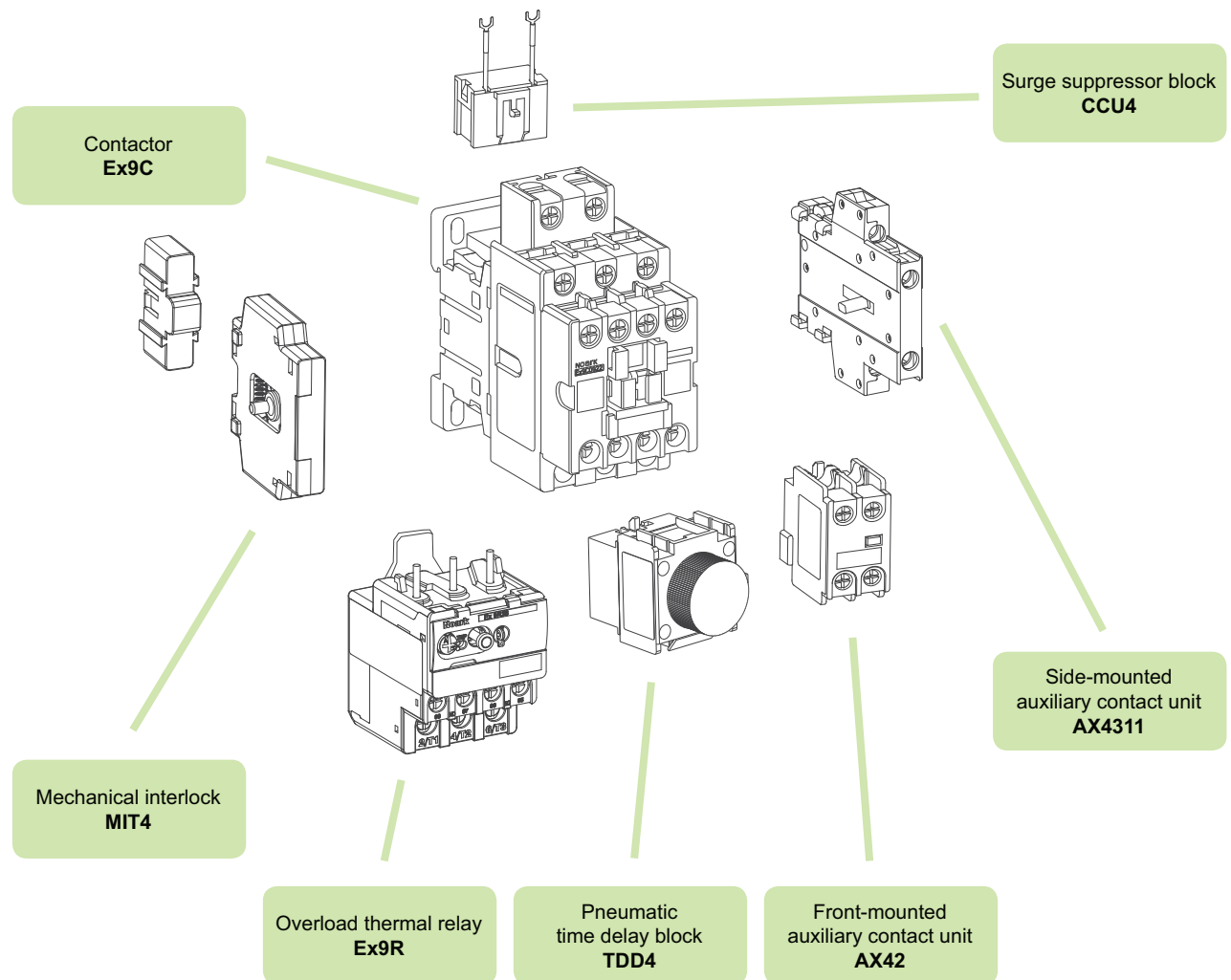
Frame size 65
Rated currents 40, 50, 65 A



Frame size 100
Rated currents 80, 100 A

Contactors Ex9C up to 100 A

Accessories



Auxiliary contacts AX4311

see page 78

Auxiliary contacts AX42

see page 78

Overload thermal relays Ex9R

see page 83

Pneumatic time delay block TDD4

see page 80

Surge suppressor block CCU4

see page 80

Mechanical interlock MIT4

see page 79

Contactors Ex9C, frame size 18

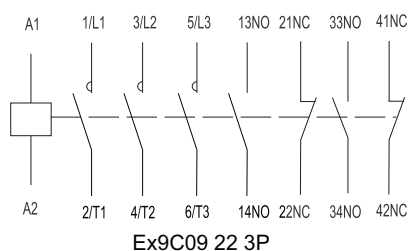
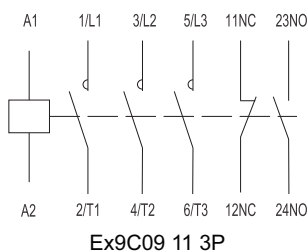
Rated current 9 A, 3-pole

- 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 Ex9R38M



Control Voltage	I_e	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



Contactors Ex9C, frame size 18

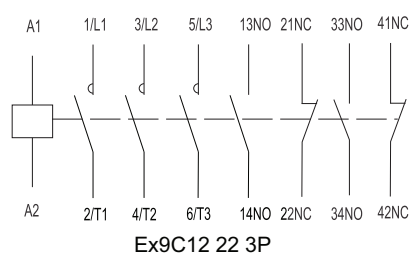
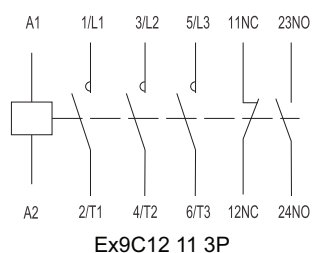
Rated current 12 A, 3-pole

- 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 Ex9R38M



Control Voltage	I_e	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



Contactors Ex9C, frame size 18

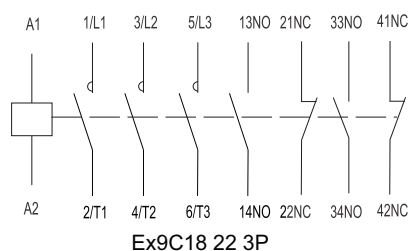
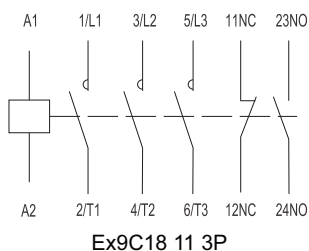
Rated current 18 A, 3-pole

- 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 Ex9R38M



Control Voltage	I_e	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



Contactors Ex9C, frame size 38

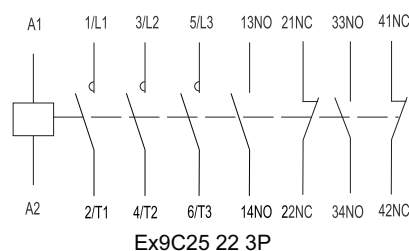
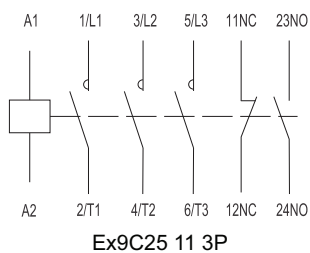
Rated current 25 A, 3-pole

- 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 Ex9R38M



Control Voltage	I_e	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



Contactors Ex9C, frame size 38

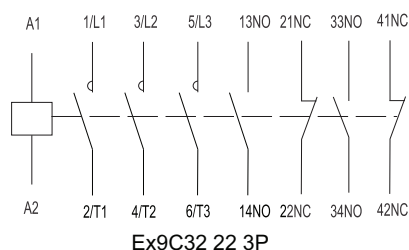
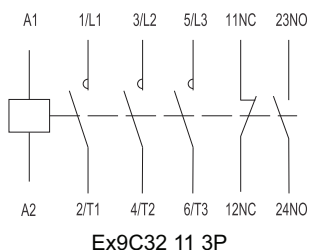
Rated current 32 A, 3-pole

- 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 Ex9R38M



Control Voltage	I_e	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



Contactors Ex9C, frame size 38

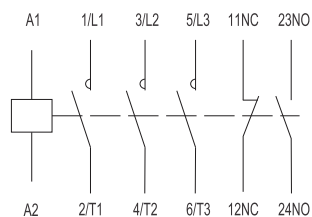
Rated current 38 A, 3-pole

- 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 Ex9R38M

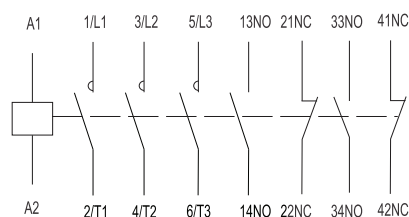


Control Voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC	38 A	38	3	1 NO + 1 NC	101220	Ex9C38 11 3P 415V	1/20
400 V AC	38 A	38	3	1 NO + 1 NC	101221	Ex9C38 11 3P 400V	1/20
380 V AC	38 A	38	3	1 NO + 1 NC	101222	Ex9C38 11 3P 380V	1/20
240 V AC	38 A	38	3	1 NO + 1 NC	101223	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 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_e	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 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_e	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

Contactors Ex9C, frame size 65

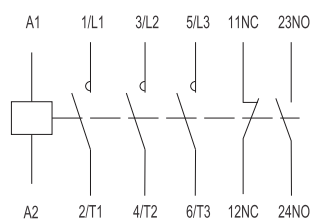
Rated current 65 A, 3-pole

- 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_e	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

Wiring diagram



Ex9C40, Ex9C50, Ex9C65 11 3P

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_e	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

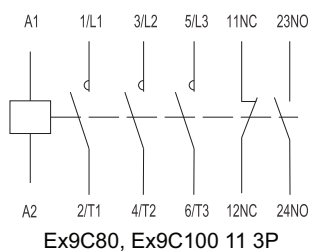
Rated current 100 A, 3-pole

- 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_e	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



Reversible contactors Ex9CR



- Reversible combinations of contactors
- Tested according to IEC / EN 60947-4-1
- Four frame sizes with rated current up to 100 A at 400 V AC-3
- 3-pole versions
- Coil control voltage 24 — 415 V AC
- Rated conditional short circuit current I_q 50 kA
- Mechanical interlock between contactors
- Mounting onto device rail (DIN) 35 or 75 mm or onto panel

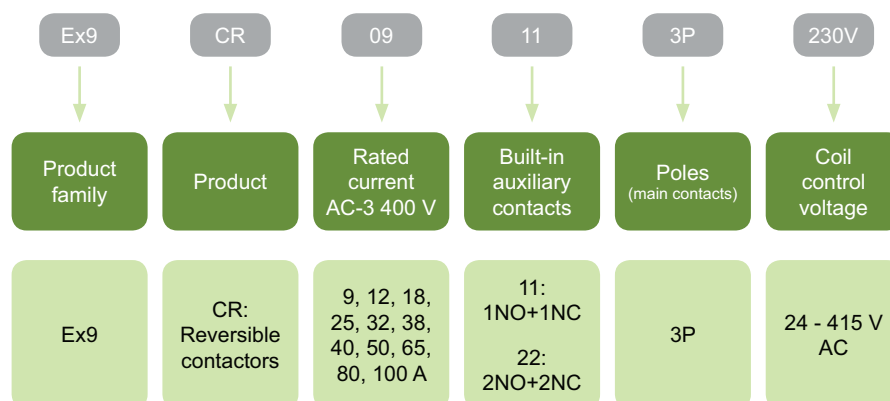
Reversible contactors Ex9CR are intended mainly for switching of asynchronous motors with possibility of change of rotation direction. They can also be used for switching of two circuits when it is necessary to ensure that maximum one circuit is connected.

The combinations are equipped with mechanical interlock. Additional electrical interlock of control voltages (e.g. for EN 60204) can be implemented by means of auxiliary contacts AX42 or built-in auxiliary contacts.

Splitting into four frame sizes brings optimization of electrical parameters and mechanical dimensions. All these frame sizes share full range of accessories. Overload relays Ex9R differ with the frame sizes in order to fit respective contactor of given rated current.

The same function can be achieved by combination of two contactors Ex9C with mechanical interlock MIT4.

Type Key



Certification marks

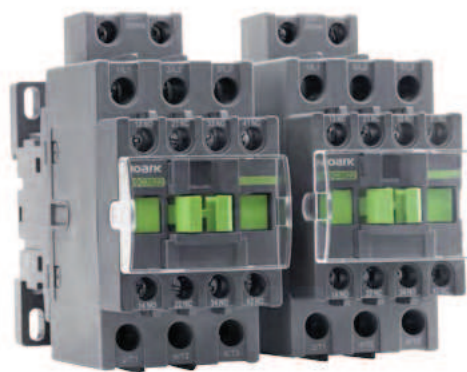


Reversible contactors Ex9CR

Frame sizes



Frame size 18
Rated currents 9, 12, 18 A



Frame size 38
Rated currents 25, 32, 38 A



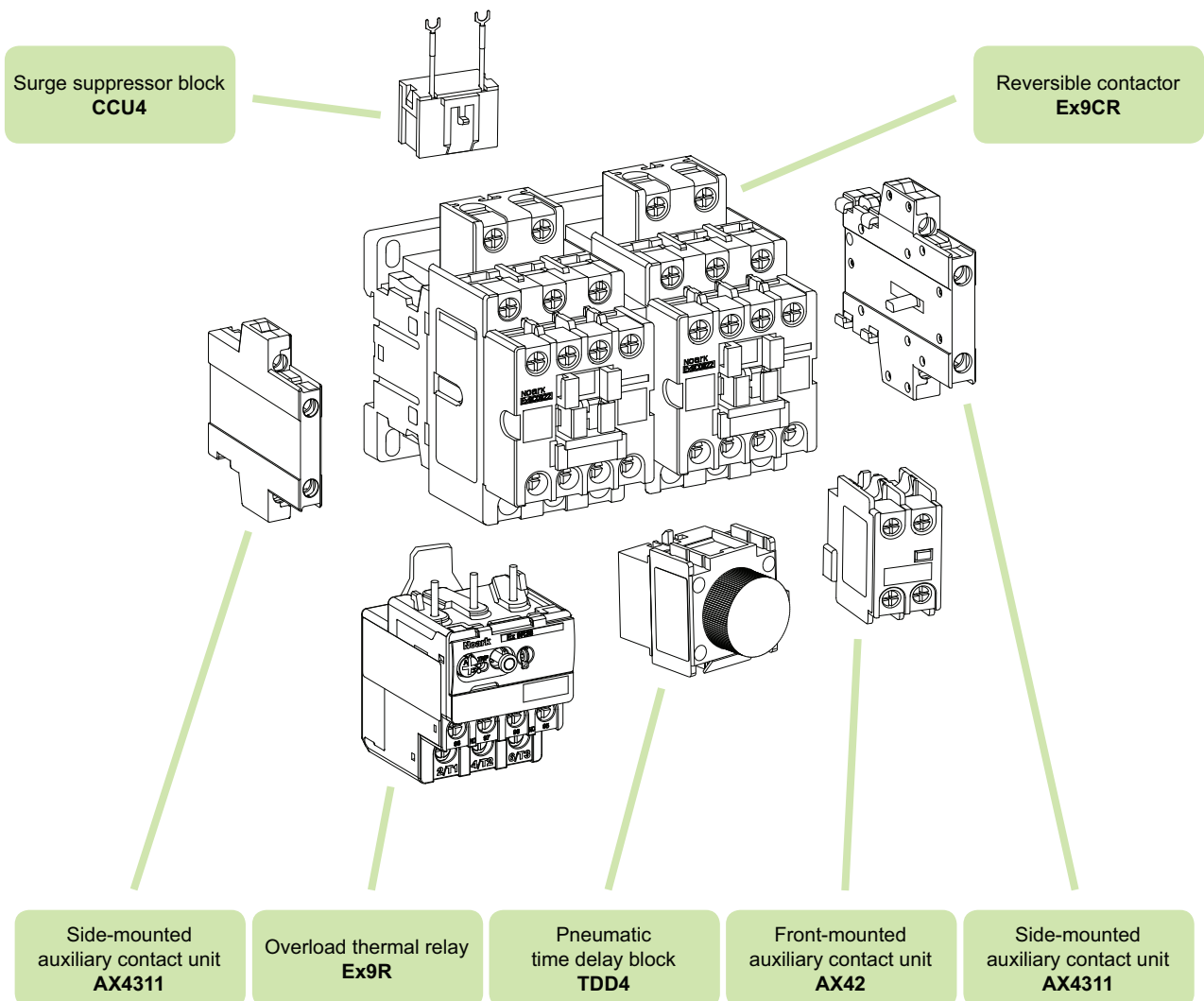
Frame size 65
Rated currents 40, 50, 65 A



Frame size 100
Rated currents 80, 100 A

Reversible contactors Ex9CR

Accessories



Auxiliary contacts AX4311

see page 78

Auxiliary contacts AX42

see page 78

Overload thermal relays Ex9R

see page 83

Pneumatic time delay block TDD4

see page 80

Surge suppressor block CCU4

see page 80

Reversible contactors Ex9CR, frame size 18

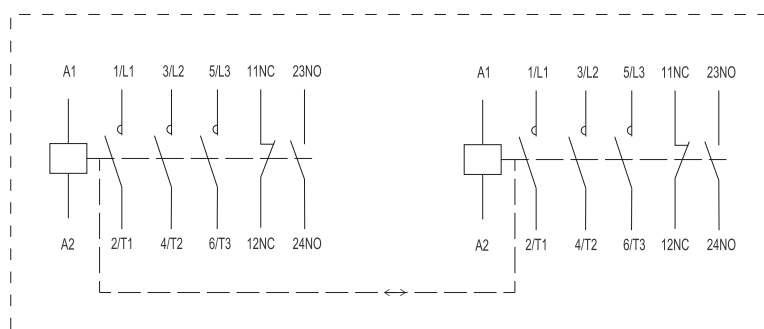
Rated current 9 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair

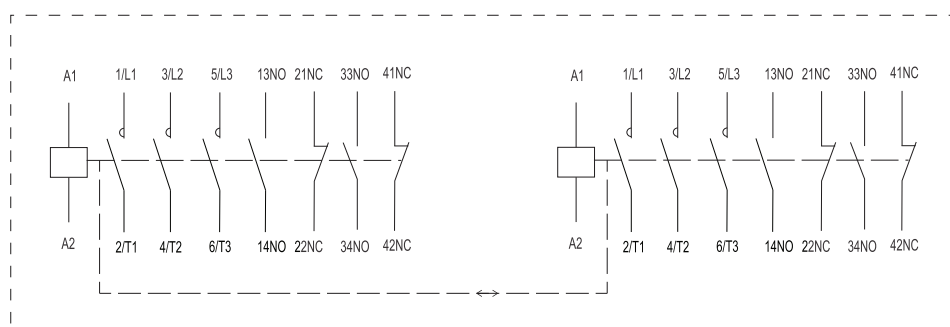


Control Voltage	AC-3 I _e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	9 A	18	1 NO + 1 NC	104662	Ex9CR09 11 3P 415V	1/40
400 V AC	9 A	18	1 NO + 1 NC	104663	Ex9CR09 11 3P 400V	1/40
380 V AC	9 A	18	1 NO + 1 NC	104664	Ex9CR09 11 3P 380V	1/40
240 V AC	9 A	18	1 NO + 1 NC	104667	Ex9CR09 11 3P 240V	1/40
230 V AC	9 A	18	1 NO + 1 NC	104668	Ex9CR09 11 3P 230V	1/40
220 V AC	9 A	18	1 NO + 1 NC	104669	Ex9CR09 11 3P 220V	1/40
127 V AC	9 A	18	1 NO + 1 NC	104670	Ex9CR09 11 3P 127V	1/40
110 V AC	9 A	18	1 NO + 1 NC	104671	Ex9CR09 11 3P 110V	1/40
48 V AC	9 A	18	1 NO + 1 NC	104660	Ex9CR09 11 3P 48V	1/40
42 V AC	9 A	18	1 NO + 1 NC	104661	Ex9CR09 11 3P 42V	1/40
36 V AC	9 A	18	1 NO + 1 NC	104665	Ex9CR09 11 3P 36V	1/40
24 V AC	9 A	18	1 NO + 1 NC	104666	Ex9CR09 11 3P 24V	1/40
415 V AC	9 A	18	2 NO + 2 NC	104650	Ex9CR09 22 3P 415V	1/40
400 V AC	9 A	18	2 NO + 2 NC	104651	Ex9CR09 22 3P 400V	1/40
380 V AC	9 A	18	2 NO + 2 NC	104652	Ex9CR09 22 3P 380V	1/40
240 V AC	9 A	18	2 NO + 2 NC	104655	Ex9CR09 22 3P 240V	1/40
230 V AC	9 A	18	2 NO + 2 NC	104656	Ex9CR09 22 3P 230V	1/40
220 V AC	9 A	18	2 NO + 2 NC	104657	Ex9CR09 22 3P 220V	1/40
127 V AC	9 A	18	2 NO + 2 NC	104658	Ex9CR09 22 3P 127V	1/40
110 V AC	9 A	18	2 NO + 2 NC	104659	Ex9CR09 22 3P 110V	1/40
48 V AC	9 A	18	2 NO + 2 NC	104648	Ex9CR09 22 3P 48V	1/40
42 V AC	9 A	18	2 NO + 2 NC	104649	Ex9CR09 22 3P 42V	1/40
36 V AC	9 A	18	2 NO + 2 NC	104653	Ex9CR09 22 3P 36V	1/40
24 V AC	9 A	18	2 NO + 2 NC	104654	Ex9CR09 22 3P 24V	1/40

Wiring diagrams



Ex9CR09 11 3P



Ex9CR09 22 3P

Reversible contactors Ex9CR, frame size 18

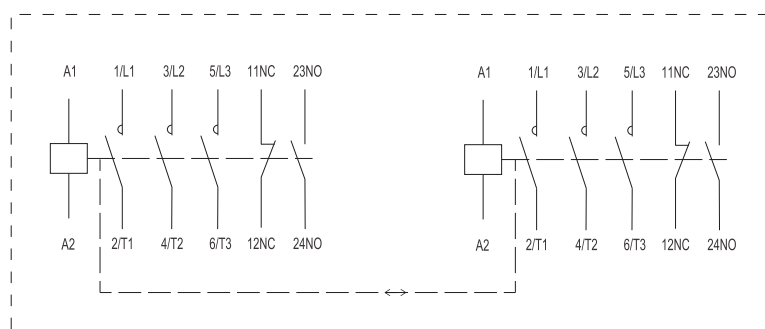
Rated current 12 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair

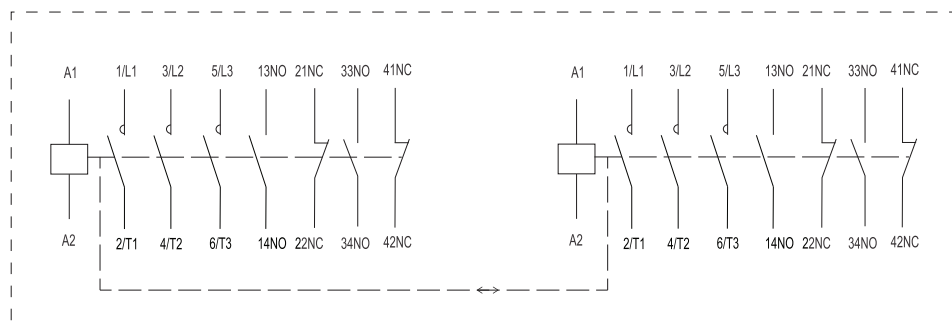


Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	12 A	18	1 NO + 1 NC	104686	Ex9CR12 11 3P 415V	1/40
400 V AC	12 A	18	1 NO + 1 NC	104687	Ex9CR12 11 3P 400V	1/40
380 V AC	12 A	18	1 NO + 1 NC	104688	Ex9CR12 11 3P 380V	1/40
240 V AC	12 A	18	1 NO + 1 NC	104691	Ex9CR12 11 3P 240V	1/40
230 V AC	12 A	18	1 NO + 1 NC	104692	Ex9CR12 11 3P 230V	1/40
220 V AC	12 A	18	1 NO + 1 NC	104693	Ex9CR12 11 3P 220V	1/40
127 V AC	12 A	18	1 NO + 1 NC	104694	Ex9CR12 11 3P 127V	1/40
110 V AC	12 A	18	1 NO + 1 NC	104695	Ex9CR12 11 3P 110V	1/40
48 V AC	12 A	18	1 NO + 1 NC	104684	Ex9CR12 11 3P 48V	1/40
42 V AC	12 A	18	1 NO + 1 NC	104685	Ex9CR12 11 3P 42V	1/40
36 V AC	12 A	18	1 NO + 1 NC	104689	Ex9CR12 11 3P 36V	1/40
24 V AC	12 A	18	1 NO + 1 NC	104690	Ex9CR12 11 3P 24V	1/40
415 V AC	12 A	18	2 NO + 2 NC	104674	Ex9CR12 22 3P 415V	1/40
400 V AC	12 A	18	2 NO + 2 NC	104675	Ex9CR12 22 3P 400V	1/40
380 V AC	12 A	18	2 NO + 2 NC	104676	Ex9CR12 22 3P 380V	1/40
240 V AC	12 A	18	2 NO + 2 NC	104679	Ex9CR12 22 3P 240V	1/40
230 V AC	12 A	18	2 NO + 2 NC	104680	Ex9CR12 22 3P 230V	1/40
220 V AC	12 A	18	2 NO + 2 NC	104681	Ex9CR12 22 3P 220V	1/40
127 V AC	12 A	18	2 NO + 2 NC	104682	Ex9CR12 22 3P 127V	1/40
110 V AC	12 A	18	2 NO + 2 NC	104683	Ex9CR12 22 3P 110V	1/40
48 V AC	12 A	18	2 NO + 2 NC	104672	Ex9CR12 22 3P 48V	1/40
42 V AC	12 A	18	2 NO + 2 NC	104673	Ex9CR12 22 3P 42V	1/40
36 V AC	12 A	18	2 NO + 2 NC	104677	Ex9CR12 22 3P 36V	1/40
24 V AC	12 A	18	2 NO + 2 NC	104678	Ex9CR12 22 3P 24V	1/40

Wiring diagrams



Ex9CR12 11 3P



Ex9CR12 22 3P

Reversible contactors Ex9CR, frame size 18

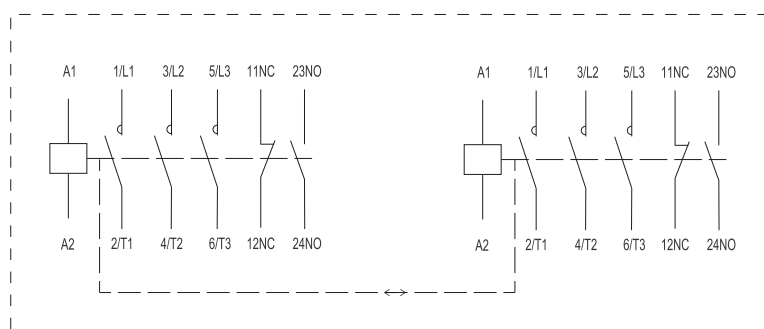
Rated current 18 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair

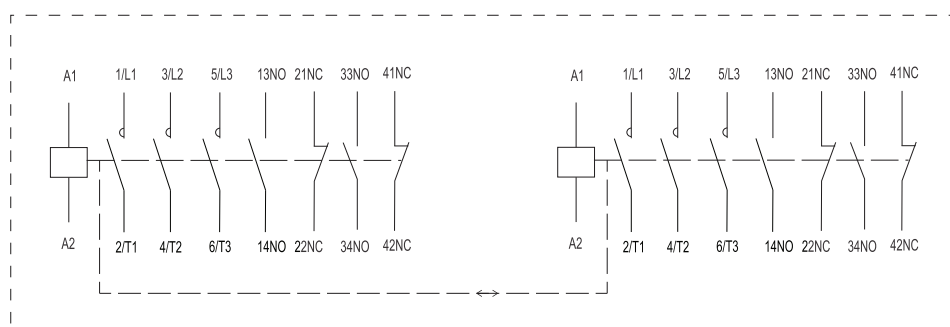


Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	18 A	18	1 NO + 1 NC	104710	Ex9CR18 11 3P 415V	1/40
400 V AC	18 A	18	1 NO + 1 NC	104711	Ex9CR18 11 3P 400V	1/40
380 V AC	18 A	18	1 NO + 1 NC	104712	Ex9CR18 11 3P 380V	1/40
240 V AC	18 A	18	1 NO + 1 NC	104715	Ex9CR18 11 3P 240V	1/40
230 V AC	18 A	18	1 NO + 1 NC	104716	Ex9CR18 11 3P 230V	1/40
220 V AC	18 A	18	1 NO + 1 NC	104717	Ex9CR18 11 3P 220V	1/40
127 V AC	18 A	18	1 NO + 1 NC	104718	Ex9CR18 11 3P 127V	1/40
110 V AC	18 A	18	1 NO + 1 NC	104719	Ex9CR18 11 3P 110V	1/40
48 V AC	18 A	18	1 NO + 1 NC	104708	Ex9CR18 11 3P 48V	1/40
42 V AC	18 A	18	1 NO + 1 NC	104709	Ex9CR18 11 3P 42V	1/40
36 V AC	18 A	18	1 NO + 1 NC	104713	Ex9CR18 11 3P 36V	1/40
24 V AC	18 A	18	1 NO + 1 NC	104714	Ex9CR18 11 3P 24V	1/40
415 V AC	18 A	18	2 NO + 2 NC	104698	Ex9CR18 22 3P 415V	1/40
400 V AC	18 A	18	2 NO + 2 NC	104699	Ex9CR18 22 3P 400V	1/40
380 V AC	18 A	18	2 NO + 2 NC	104700	Ex9CR18 22 3P 380V	1/40
240 V AC	18 A	18	2 NO + 2 NC	104703	Ex9CR18 22 3P 240V	1/40
230 V AC	18 A	18	2 NO + 2 NC	104704	Ex9CR18 22 3P 230V	1/40
220 V AC	18 A	18	2 NO + 2 NC	104705	Ex9CR18 22 3P 220V	1/40
127 V AC	18 A	18	2 NO + 2 NC	104706	Ex9CR18 22 3P 127V	1/40
110 V AC	18 A	18	2 NO + 2 NC	104707	Ex9CR18 22 3P 110V	1/40
48 V AC	18 A	18	2 NO + 2 NC	104696	Ex9CR18 22 3P 48V	1/40
42 V AC	18 A	18	2 NO + 2 NC	104697	Ex9CR18 22 3P 42V	1/40
36 V AC	18 A	18	2 NO + 2 NC	104701	Ex9CR18 22 3P 36V	1/40
24 V AC	18 A	18	2 NO + 2 NC	104702	Ex9CR18 22 3P 24V	1/40

Wiring diagrams



Ex9CR18 11 3P



Ex9CR18 22 3P

Reversible contactors Ex9CR, frame size 38

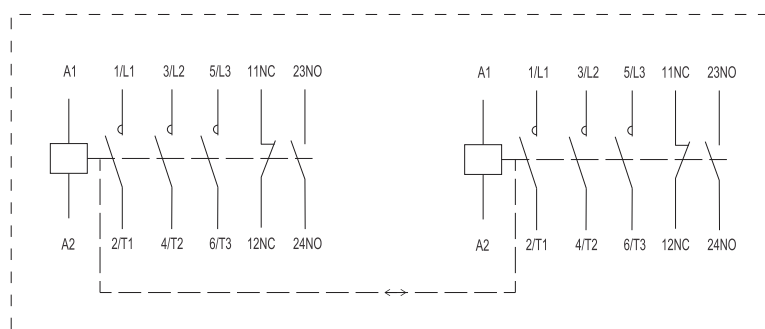
Rated current 25 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair

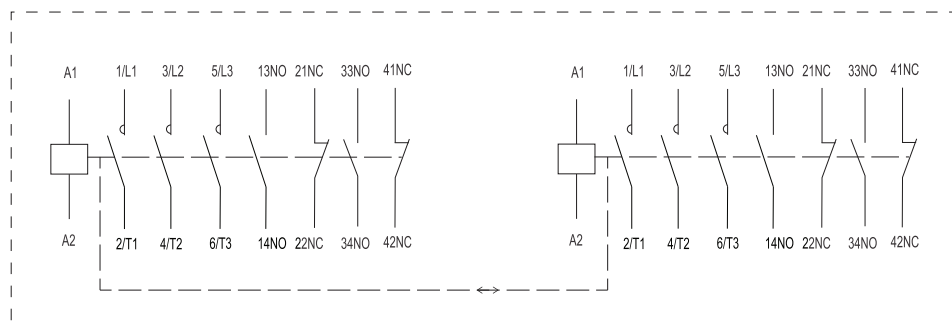


Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	25 A	38	1 NO + 1 NC	104734	Ex9CR25 11 3P 415V	1/20
400 V AC	25 A	38	1 NO + 1 NC	104735	Ex9CR25 11 3P 400V	1/20
380 V AC	25 A	38	1 NO + 1 NC	104736	Ex9CR25 11 3P 380V	1/20
240 V AC	25 A	38	1 NO + 1 NC	104739	Ex9CR25 11 3P 240V	1/20
230 V AC	25 A	38	1 NO + 1 NC	104740	Ex9CR25 11 3P 230V	1/20
220 V AC	25 A	38	1 NO + 1 NC	104741	Ex9CR25 11 3P 220V	1/20
127 V AC	25 A	38	1 NO + 1 NC	104742	Ex9CR25 11 3P 127V	1/20
110 V AC	25 A	38	1 NO + 1 NC	104743	Ex9CR25 11 3P 110V	1/20
48 V AC	25 A	38	1 NO + 1 NC	104732	Ex9CR25 11 3P 48V	1/20
42 V AC	25 A	38	1 NO + 1 NC	104733	Ex9CR25 11 3P 42V	1/20
36 V AC	25 A	38	1 NO + 1 NC	104737	Ex9CR25 11 3P 36V	1/20
24 V AC	25 A	38	1 NO + 1 NC	104738	Ex9CR25 11 3P 24V	1/20
415 V AC	25 A	38	2 NO + 2 NC	104722	Ex9CR25 22 3P 415V	1/20
400 V AC	25 A	38	2 NO + 2 NC	104723	Ex9CR25 22 3P 400V	1/20
380 V AC	25 A	38	2 NO + 2 NC	104724	Ex9CR25 22 3P 380V	1/20
240 V AC	25 A	38	2 NO + 2 NC	104727	Ex9CR25 22 3P 240V	1/20
230 V AC	25 A	38	2 NO + 2 NC	104728	Ex9CR25 22 3P 230V	1/20
220 V AC	25 A	38	2 NO + 2 NC	104729	Ex9CR25 22 3P 220V	1/20
127 V AC	25 A	38	2 NO + 2 NC	104730	Ex9CR25 22 3P 127V	1/20
110 V AC	25 A	38	2 NO + 2 NC	104731	Ex9CR25 22 3P 110V	1/20
48 V AC	25 A	38	2 NO + 2 NC	104720	Ex9CR25 22 3P 48V	1/20
42 V AC	25 A	38	2 NO + 2 NC	104721	Ex9CR25 22 3P 42V	1/20
36 V AC	25 A	38	2 NO + 2 NC	104725	Ex9CR25 22 3P 36V	1/20
24 V AC	25 A	38	2 NO + 2 NC	104726	Ex9CR25 22 3P 24V	1/20

Wiring diagrams



Ex9CR25 11 3P



Ex9CR25 22 3P

Reversible contactors Ex9CR, frame size 38

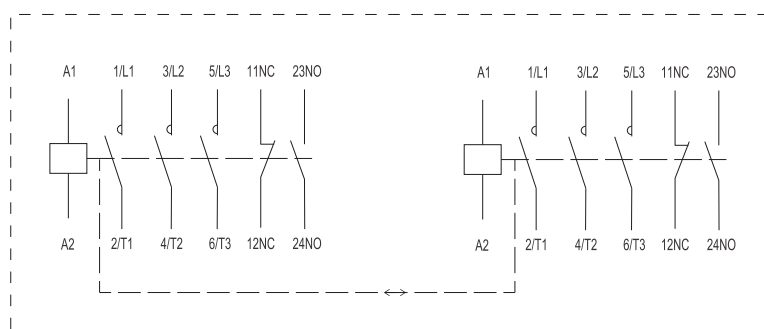
Rated current 32 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair

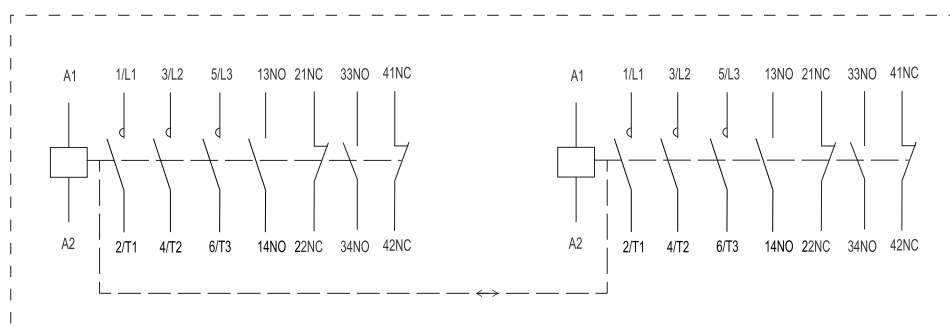


Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	32 A	38	1 NO + 1 NC	104758	Ex9CR32 11 3P 415V	1/20
400 V AC	32 A	38	1 NO + 1 NC	104759	Ex9CR32 11 3P 400V	1/20
380 V AC	32 A	38	1 NO + 1 NC	104760	Ex9CR32 11 3P 380V	1/20
240 V AC	32 A	38	1 NO + 1 NC	104763	Ex9CR32 11 3P 240V	1/20
230 V AC	32 A	38	1 NO + 1 NC	104764	Ex9CR32 11 3P 230V	1/20
220 V AC	32 A	38	1 NO + 1 NC	104765	Ex9CR32 11 3P 220V	1/20
127 V AC	32 A	38	1 NO + 1 NC	104766	Ex9CR32 11 3P 127V	1/20
110 V AC	32 A	38	1 NO + 1 NC	104767	Ex9CR32 11 3P 110V	1/20
48 V AC	32 A	38	1 NO + 1 NC	104756	Ex9CR32 11 3P 48V	1/20
42 V AC	32 A	38	1 NO + 1 NC	104757	Ex9CR32 11 3P 42V	1/20
36 V AC	32 A	38	1 NO + 1 NC	104761	Ex9CR32 11 3P 36V	1/20
24 V AC	32 A	38	1 NO + 1 NC	104762	Ex9CR32 11 3P 24V	1/20
415 V AC	32 A	38	2 NO + 2 NC	104746	Ex9CR32 22 3P 415V	1/20
400 V AC	32 A	38	2 NO + 2 NC	104747	Ex9CR32 22 3P 400V	1/20
380 V AC	32 A	38	2 NO + 2 NC	104748	Ex9CR32 22 3P 380V	1/20
240 V AC	32 A	38	2 NO + 2 NC	104751	Ex9CR32 22 3P 240V	1/20
230 V AC	32 A	38	2 NO + 2 NC	104752	Ex9CR32 22 3P 230V	1/20
220 V AC	32 A	38	2 NO + 2 NC	104753	Ex9CR32 22 3P 220V	1/20
127 V AC	32 A	38	2 NO + 2 NC	104754	Ex9CR32 22 3P 127V	1/20
110 V AC	32 A	38	2 NO + 2 NC	104755	Ex9CR32 22 3P 110V	1/20
48 V AC	32 A	38	2 NO + 2 NC	104744	Ex9CR32 22 3P 48V	1/20
42 V AC	32 A	38	2 NO + 2 NC	104745	Ex9CR32 22 3P 42V	1/20
36 V AC	32 A	38	2 NO + 2 NC	104749	Ex9CR32 22 3P 36V	1/20
24 V AC	32 A	38	2 NO + 2 NC	104750	Ex9CR32 22 3P 24V	1/20

Wiring diagrams



Ex9CR32 11 3P



Ex9CR32 22 3P

Reversible contactors Ex9CR, frame size 38

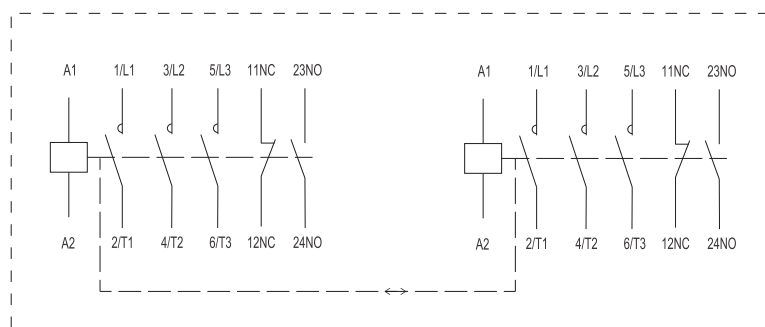
Rated current 38 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair

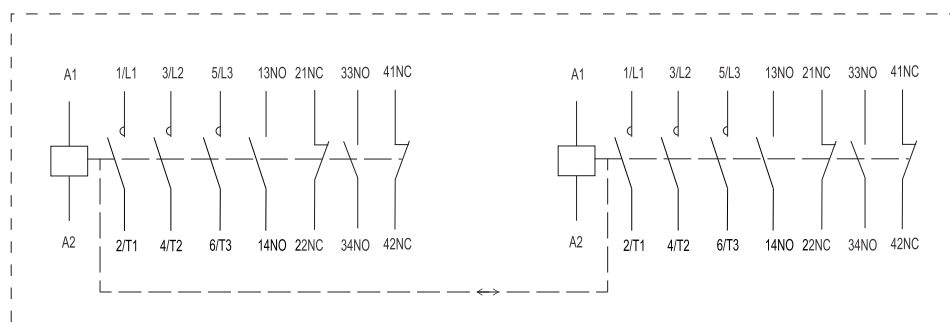


Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	38 A	38	1 NO + 1 NC	104782	Ex9CR38 11 3P 415V	1/20
400 V AC	38 A	38	1 NO + 1 NC	104783	Ex9CR38 11 3P 400V	1/20
380 V AC	38 A	38	1 NO + 1 NC	104784	Ex9CR38 11 3P 380V	1/20
240 V AC	38 A	38	1 NO + 1 NC	104787	Ex9CR38 11 3P 240V	1/20
230 V AC	38 A	38	1 NO + 1 NC	104788	Ex9CR38 11 3P 230V	1/20
220 V AC	38 A	38	1 NO + 1 NC	104789	Ex9CR38 11 3P 220V	1/20
127 V AC	38 A	38	1 NO + 1 NC	104790	Ex9CR38 11 3P 127V	1/20
110 V AC	38 A	38	1 NO + 1 NC	104791	Ex9CR38 11 3P 110V	1/20
48 V AC	38 A	38	1 NO + 1 NC	104780	Ex9CR38 11 3P 48V	1/20
42 V AC	38 A	38	1 NO + 1 NC	104781	Ex9CR38 11 3P 42V	1/20
36 V AC	38 A	38	1 NO + 1 NC	104785	Ex9CR38 11 3P 36V	1/20
24 V AC	38 A	38	1 NO + 1 NC	104786	Ex9CR38 11 3P 24V	1/20
415 V AC	38 A	38	2 NO + 2 NC	104770	Ex9CR38 22 3P 415V	1/20
400 V AC	38 A	38	2 NO + 2 NC	104771	Ex9CR38 22 3P 400V	1/20
380 V AC	38 A	38	2 NO + 2 NC	104772	Ex9CR38 22 3P 380V	1/20
240 V AC	38 A	38	2 NO + 2 NC	104775	Ex9CR38 22 3P 240V	1/20
230 V AC	38 A	38	2 NO + 2 NC	104776	Ex9CR38 22 3P 230V	1/20
220 V AC	38 A	38	2 NO + 2 NC	104777	Ex9CR38 22 3P 220V	1/20
127 V AC	38 A	38	2 NO + 2 NC	104778	Ex9CR38 22 3P 127V	1/20
110 V AC	38 A	38	2 NO + 2 NC	104779	Ex9CR38 22 3P 110V	1/20
48 V AC	38 A	38	2 NO + 2 NC	104768	Ex9CR38 22 3P 48V	1/20
42 V AC	38 A	38	2 NO + 2 NC	104769	Ex9CR38 22 3P 42V	1/20
36 V AC	38 A	38	2 NO + 2 NC	104773	Ex9CR38 22 3P 36V	1/20
24 V AC	38 A	38	2 NO + 2 NC	104774	Ex9CR38 22 3P 24V	1/20

Wiring diagrams



Ex9CR38 11 3P



Ex9CR38 22 3P

Reversible contactors Ex9CR, frame size 65

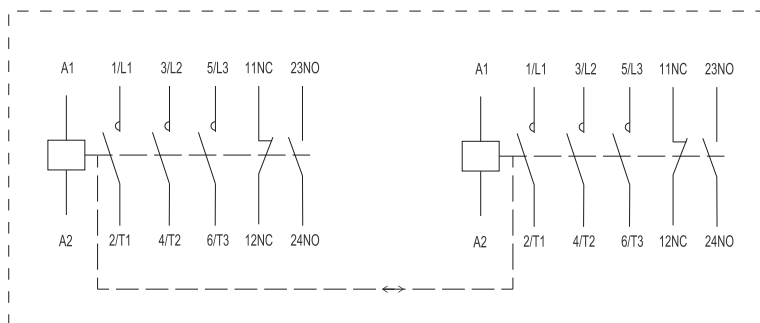
Rated current 40 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair



Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	40 A	65	1 NO + 1 NC	104794	Ex9CR40 11 3P 415V	1/12
400 V AC	40 A	65	1 NO + 1 NC	104795	Ex9CR40 11 3P 400V	1/12
380 V AC	40 A	65	1 NO + 1 NC	104796	Ex9CR40 11 3P 380V	1/12
240 V AC	40 A	65	1 NO + 1 NC	104799	Ex9CR40 11 3P 240V	1/12
230 V AC	40 A	65	1 NO + 1 NC	104800	Ex9CR40 11 3P 230V	1/12
220 V AC	40 A	65	1 NO + 1 NC	104801	Ex9CR40 11 3P 220V	1/12
127 V AC	40 A	65	1 NO + 1 NC	104802	Ex9CR40 11 3P 127V	1/12
110 V AC	40 A	65	1 NO + 1 NC	104803	Ex9CR40 11 3P 110V	1/12
48 V AC	40 A	65	1 NO + 1 NC	104792	Ex9CR40 11 3P 48V	1/12
42 V AC	40 A	65	1 NO + 1 NC	104793	Ex9CR40 11 3P 42V	1/12
36 V AC	40 A	65	1 NO + 1 NC	104797	Ex9CR40 11 3P 36V	1/12
24 V AC	40 A	65	1 NO + 1 NC	104798	Ex9CR40 11 3P 24V	1/12

Wiring diagram



Ex9CR40 11 3P

Reversible contactors Ex9CR, frame size 65

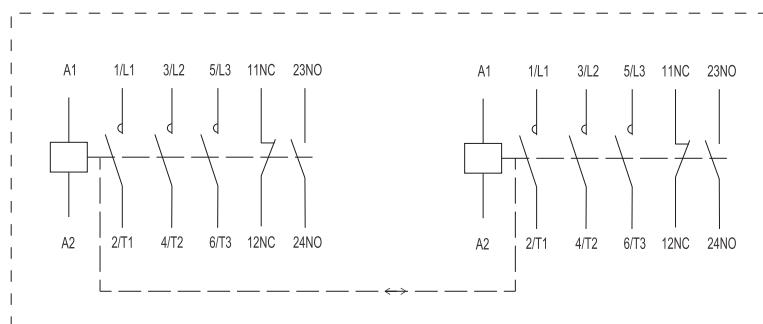
Rated current 50 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair



Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	50 A	65	1 NO + 1 NC	104806	Ex9CR50 11 3P 415V	1/12
400 V AC	50 A	65	1 NO + 1 NC	104807	Ex9CR50 11 3P 400V	1/12
380 V AC	50 A	65	1 NO + 1 NC	104808	Ex9CR50 11 3P 380V	1/12
240 V AC	50 A	65	1 NO + 1 NC	104811	Ex9CR50 11 3P 240V	1/12
230 V AC	50 A	65	1 NO + 1 NC	104812	Ex9CR50 11 3P 230V	1/12
220 V AC	50 A	65	1 NO + 1 NC	104813	Ex9CR50 11 3P 220V	1/12
127 V AC	50 A	65	1 NO + 1 NC	104814	Ex9CR50 11 3P 127V	1/12
110 V AC	50 A	65	1 NO + 1 NC	104815	Ex9CR50 11 3P 110V	1/12
48 V AC	50 A	65	1 NO + 1 NC	104804	Ex9CR50 11 3P 48V	1/12
42 V AC	50 A	65	1 NO + 1 NC	104805	Ex9CR50 11 3P 42V	1/12
36 V AC	50 A	65	1 NO + 1 NC	104809	Ex9CR50 11 3P 36V	1/12
24 V AC	50 A	65	1 NO + 1 NC	104810	Ex9CR50 11 3P 24V	1/12

Wiring diagram



Ex9CR50 11 3P

Reversible contactors Ex9CR, frame size 65

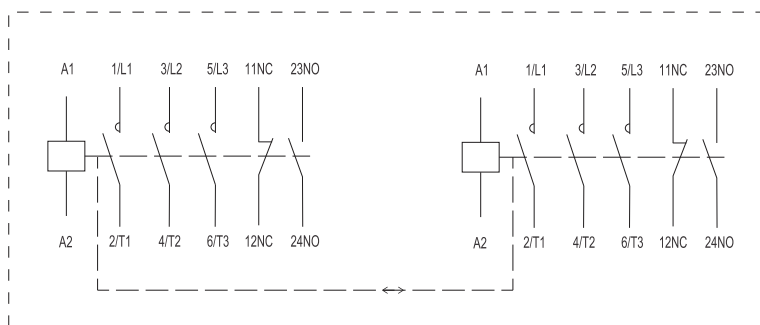
Rated current 65 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair



Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	65 A	65	1 NO + 1 NC	104818	Ex9CR65 11 3P 415V	1/12
400 V AC	65 A	65	1 NO + 1 NC	104819	Ex9CR65 11 3P 400V	1/12
380 V AC	65 A	65	1 NO + 1 NC	104820	Ex9CR65 11 3P 380V	1/12
240 V AC	65 A	65	1 NO + 1 NC	104823	Ex9CR65 11 3P 240V	1/12
230 V AC	65 A	65	1 NO + 1 NC	104824	Ex9CR65 11 3P 230V	1/12
220 V AC	65 A	65	1 NO + 1 NC	104825	Ex9CR65 11 3P 220V	1/12
127 V AC	65 A	65	1 NO + 1 NC	104826	Ex9CR65 11 3P 127V	1/12
110 V AC	65 A	65	1 NO + 1 NC	104827	Ex9CR65 11 3P 110V	1/12
48 V AC	65 A	65	1 NO + 1 NC	104816	Ex9CR65 11 3P 48V	1/12
42 V AC	65 A	65	1 NO + 1 NC	104817	Ex9CR65 11 3P 42V	1/12
36 V AC	65 A	65	1 NO + 1 NC	104821	Ex9CR65 11 3P 36V	1/12
24 V AC	65 A	65	1 NO + 1 NC	104822	Ex9CR65 11 3P 24V	1/12

Wiring diagram



Ex9CR65 11 3P

Reversible contactors Ex9CR, frame size 100

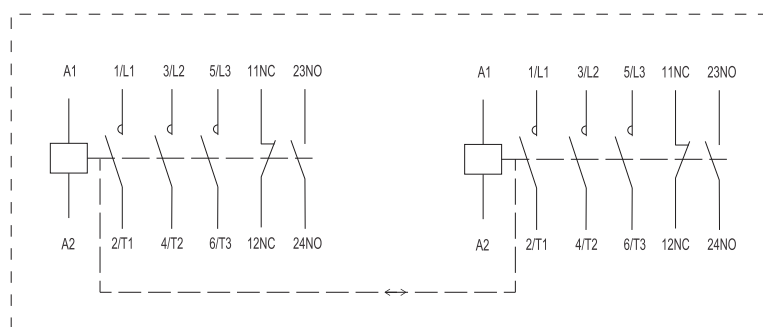
Rated current 80 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair



Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	80 A	100	1 NO + 1 NC	104830	Ex9CR80 11 3P 415V	1/12
400 V AC	80 A	100	1 NO + 1 NC	104831	Ex9CR80 11 3P 400V	1/12
380 V AC	80 A	100	1 NO + 1 NC	104832	Ex9CR80 11 3P 380V	1/12
240 V AC	80 A	100	1 NO + 1 NC	104835	Ex9CR80 11 3P 240V	1/12
230 V AC	80 A	100	1 NO + 1 NC	104836	Ex9CR80 11 3P 230V	1/12
220 V AC	80 A	100	1 NO + 1 NC	104837	Ex9CR80 11 3P 220V	1/12
127 V AC	80 A	100	1 NO + 1 NC	104838	Ex9CR80 11 3P 127V	1/12
110 V AC	80 A	100	1 NO + 1 NC	104839	Ex9CR80 11 3P 110V	1/12
48 V AC	80 A	100	1 NO + 1 NC	104828	Ex9CR80 11 3P 48V	1/12
42 V AC	80 A	100	1 NO + 1 NC	104829	Ex9CR80 11 3P 42V	1/12
36 V AC	80 A	100	1 NO + 1 NC	104833	Ex9CR80 11 3P 36V	1/12
24 V AC	80 A	100	1 NO + 1 NC	104834	Ex9CR80 11 3P 24V	1/12

Wiring diagram



Ex9CR80 11 3P

Reversible contactors Ex9CR, frame size 100

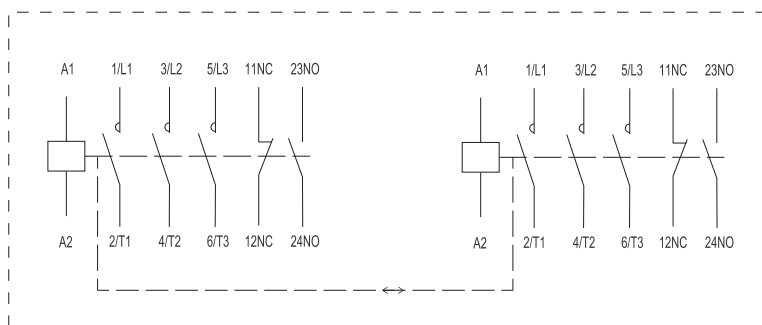
Rated current 100 A, 3-pole

- Reversible 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
- A given number of built-in auxiliary contacts belongs to single contactor unit in the pair



Control Voltage	AC-3 I_e	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	100 A	100	1 NO + 1 NC	104842	Ex9CR100 11 3P 415V	1/12
400 V AC	100 A	100	1 NO + 1 NC	104843	Ex9CR100 11 3P 400V	1/12
380 V AC	100 A	100	1 NO + 1 NC	104844	Ex9CR100 11 3P 380V	1/12
240 V AC	100 A	100	1 NO + 1 NC	104847	Ex9CR100 11 3P 240V	1/12
230 V AC	100 A	100	1 NO + 1 NC	104848	Ex9CR100 11 3P 230V	1/12
220 V AC	100 A	100	1 NO + 1 NC	104849	Ex9CR100 11 3P 220V	1/12
127 V AC	100 A	100	1 NO + 1 NC	104850	Ex9CR100 11 3P 127V	1/12
110 V AC	100 A	100	1 NO + 1 NC	104851	Ex9CR100 11 3P 110V	1/12
48 V AC	100 A	100	1 NO + 1 NC	104840	Ex9CR100 11 3P 48V	1/12
42 V AC	100 A	100	1 NO + 1 NC	104841	Ex9CR100 11 3P 42V	1/12
36 V AC	100 A	100	1 NO + 1 NC	104845	Ex9CR100 11 3P 36V	1/12
24 V AC	100 A	100	1 NO + 1 NC	104846	Ex9CR100 11 3P 24V	1/12

Wiring diagram



Ex9CR100 11 3P

Low power consumption contactors Ex9Ci



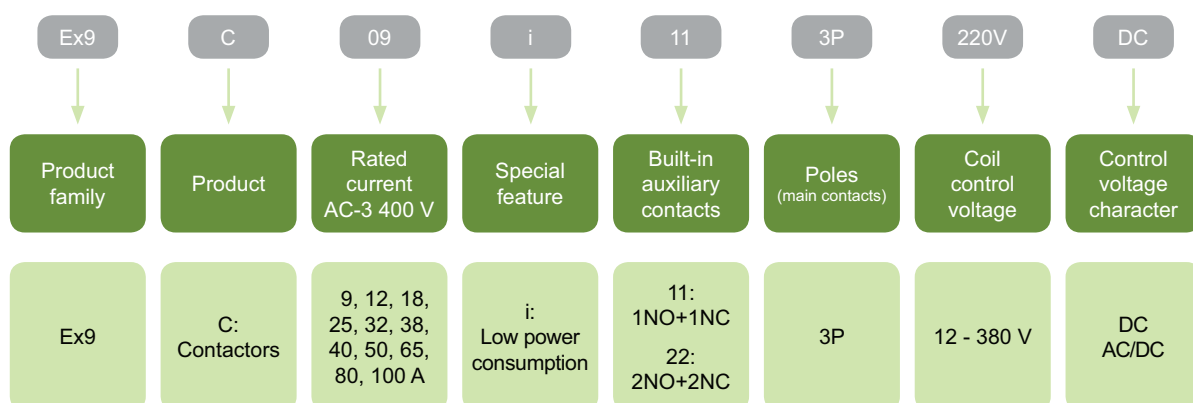
- Low power consumption contactors
- Tested according to IEC / EN 60947-4-1
- Four frame sizes with rated current up to 100 A at 380 V AC-3
- Coil control voltage
 - 12 — 220 V DC for frame size 18 and 38
 - 12 V DC, 24 — 220 V AC/DC for frame size 65
 - 12 V DC, 24 — 380 V AC/DC for frame size 100
- 3-pole versions
- Identical accessories with contactors Ex9C

Low power consumption contactors Ex9Ci are intended for various applications. They are available in versions with DC (frame size 18 and 38) and AC/DC (frame size 65 and 100) control voltage. Their big advantage is also very low power consumption which is ensured by electronic circuit for power consumption management.

Thanks to DC coil design (also in case of external AC control voltage), these contactors offers very low noise at closed status of main contacts.

Splitting into four frame sizes brings optimization of electrical parameters and mechanical dimensions. All these frame sizes share accessory auxiliary contacts. Overload relays differ with the frame sizes in order to fit respective contactor of given rated current.

Type Key



Certification marks



Low power consumption contactors Ex9Ci

Frame sizes



Frame size 18
Rated currents 9, 12, 18 A



Frame size 38
Rated currents 25, 32, 38 A



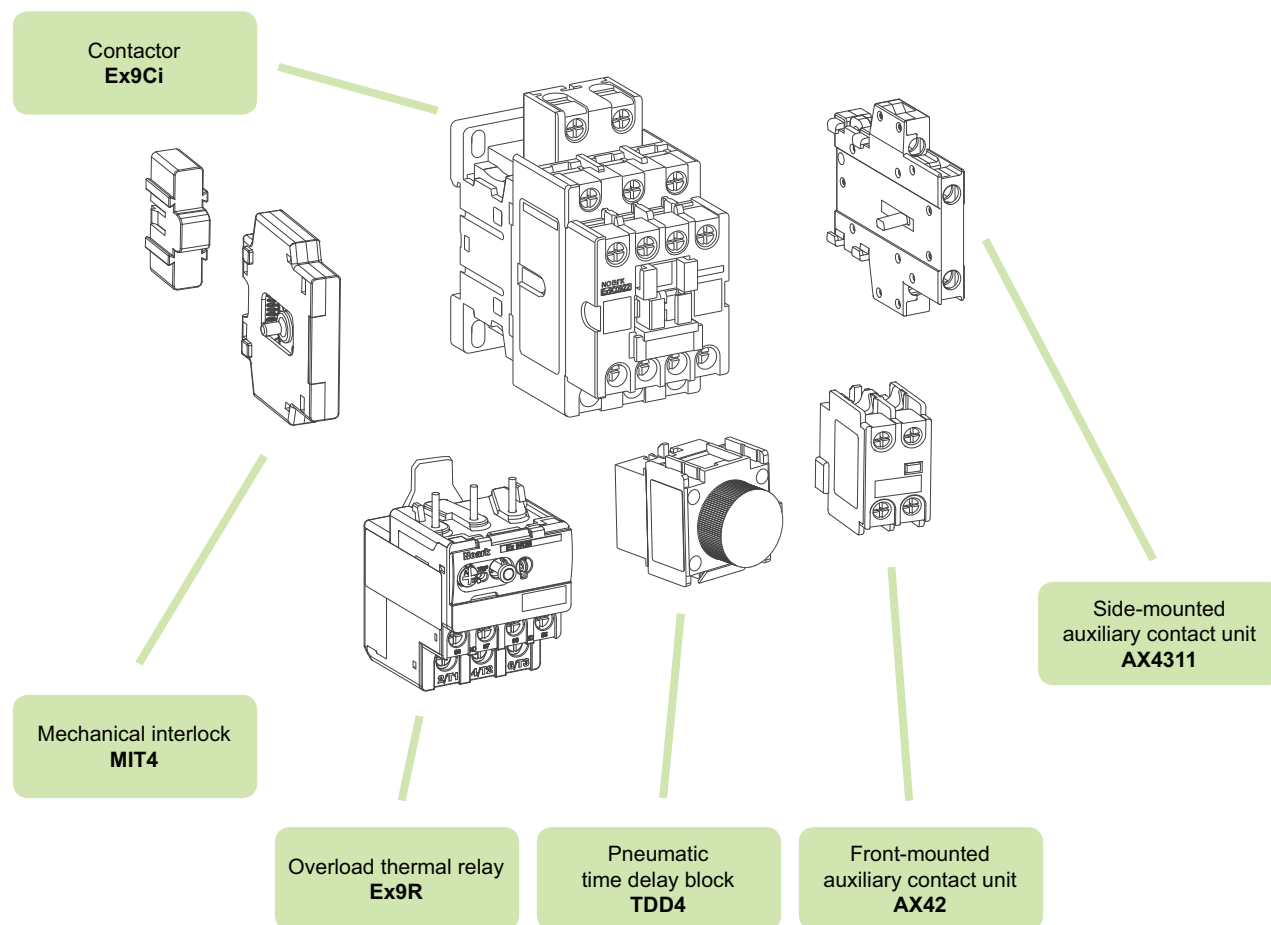
Frame size 65
Rated currents 40, 50, 65 A



Frame size 100
Rated currents 80, 100 A

Low power consumption contactors Ex9Ci

Accessories



Auxiliary contacts AX4311

see page 78

Auxiliary contacts AX42

see page 78

Overload thermal relays Ex9R

see page 83

Pneumatic time delay block TDD4

see page 80

Mechanical interlock MIT4

see page 79

Low power consumption contactors Ex9Ci

Rated current 9 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V DC	9 A	18	3P	1 NO + 1 NC	104022	Ex9C09i 11 3P 220V DC	1/40
110 V DC	9 A	18	3P	1 NO + 1 NC	104020	Ex9C09i 11 3P 110V DC	1/40
48 V DC	9 A	18	3P	1 NO + 1 NC	104024	Ex9C09i 11 3P 48V DC	1/40
24 V DC	9 A	18	3P	1 NO + 1 NC	104023	Ex9C09i 11 3P 24V DC	1/40
12 V DC	9 A	18	3P	1 NO + 1 NC	104021	Ex9C09i 11 3P 12V DC	1/40
220 V DC	9 A	18	3P	2 NO + 2 NC	104027	Ex9C09i 22 3P 220V DC	1/40
110 V DC	9 A	18	3P	2 NO + 2 NC	104025	Ex9C09i 22 3P 110V DC	1/40
48 V DC	9 A	18	3P	2 NO + 2 NC	104029	Ex9C09i 22 3P 48V DC	1/40
24 V DC	9 A	18	3P	2 NO + 2 NC	104028	Ex9C09i 22 3P 24V DC	1/40
12 V DC	9 A	18	3P	2 NO + 2 NC	104026	Ex9C09i 22 3P 12V DC	1/40

Rated current 12 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V DC	12 A	18	3P	1 NO + 1 NC	104032	Ex9C12i 11 3P 220V DC	1/40
110 V DC	12 A	18	3P	1 NO + 1 NC	104030	Ex9C12i 11 3P 110V DC	1/40
48 V DC	12 A	18	3P	1 NO + 1 NC	104034	Ex9C12i 11 3P 48V DC	1/40
24 V DC	12 A	18	3P	1 NO + 1 NC	104033	Ex9C12i 11 3P 24V DC	1/40
12 V DC	12 A	18	3P	1 NO + 1 NC	104031	Ex9C12i 11 3P 12V DC	1/40
220 V DC	12 A	18	3P	2 NO + 2 NC	104037	Ex9C12i 22 3P 220V DC	1/40
110 V DC	12 A	18	3P	2 NO + 2 NC	104035	Ex9C12i 22 3P 110V DC	1/40
48 V DC	12 A	18	3P	2 NO + 2 NC	104039	Ex9C12i 22 3P 48V DC	1/40
24 V DC	12 A	18	3P	2 NO + 2 NC	104038	Ex9C12i 22 3P 24V DC	1/40
12 V DC	12 A	18	3P	2 NO + 2 NC	104036	Ex9C12i 22 3P 12V DC	1/40

Low power consumption contactors Ex9Ci

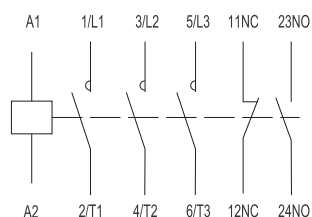
Rated current 18 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38

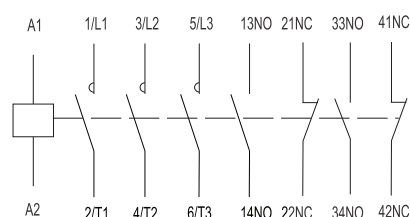


Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V DC	18 A	18	3P	1 NO + 1 NC	104041	Ex9C18i 11 3P 220V DC	1/40
110 V DC	18 A	18	3P	1 NO + 1 NC	104049	Ex9C18i 11 3P 110V DC	1/40
48 V DC	18 A	18	3P	1 NO + 1 NC	104043	Ex9C18i 11 3P 48V DC	1/40
24 V DC	18 A	18	3P	1 NO + 1 NC	104042	Ex9C18i 11 3P 24V DC	1/40
12 V DC	18 A	18	3P	1 NO + 1 NC	104040	Ex9C18i 11 3P 12V DC	1/40
220 V DC	18 A	18	3P	2 NO + 2 NC	104046	Ex9C18i 22 3P 220V DC	1/40
110 V DC	18 A	18	3P	2 NO + 2 NC	104044	Ex9C18i 22 3P 110V DC	1/40
48 V DC	18 A	18	3P	2 NO + 2 NC	104048	Ex9C18i 22 3P 48V DC	1/40
24 V DC	18 A	18	3P	2 NO + 2 NC	104047	Ex9C18i 22 3P 24V DC	1/40
12 V DC	18 A	18	3P	2 NO + 2 NC	104045	Ex9C18i 22 3P 12V DC	1/40

Wiring diagrams



Ex9C..i 11 3P



Ex9C..i 22 3P

Low power consumption contactors Ex9Ci

Rated current 25 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V DC	25 A	38	3P	1 NO + 1 NC	104052	Ex9C25i 11 3P 220V DC	1/20
110 V DC	25 A	38	3P	1 NO + 1 NC	104050	Ex9C25i 11 3P 110V DC	1/20
48 V DC	25 A	38	3P	1 NO + 1 NC	104054	Ex9C25i 11 3P 48V DC	1/20
24 V DC	25 A	38	3P	1 NO + 1 NC	104053	Ex9C25i 11 3P 24V DC	1/20
12 V DC	25 A	38	3P	1 NO + 1 NC	104051	Ex9C25i 11 3P 12V DC	1/20
220 V DC	25 A	38	3P	2 NO + 2 NC	104057	Ex9C25i 22 3P 220V DC	1/20
110 V DC	25 A	38	3P	2 NO + 2 NC	104055	Ex9C25i 22 3P 110V DC	1/20
48 V DC	25 A	38	3P	2 NO + 2 NC	104059	Ex9C25i 22 3P 48V DC	1/20
24 V DC	25 A	38	3P	2 NO + 2 NC	104058	Ex9C25i 22 3P 24V DC	1/20
12 V DC	25 A	38	3P	2 NO + 2 NC	104056	Ex9C25i 22 3P 12V DC	1/20

Rated current 32 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V DC	32 A	38	3P	1 NO + 1 NC	104062	Ex9C32i 11 3P 220V DC	1/20
110 V DC	32 A	38	3P	1 NO + 1 NC	104060	Ex9C32i 11 3P 110V DC	1/20
48 V DC	32 A	38	3P	1 NO + 1 NC	104064	Ex9C32i 11 3P 48V DC	1/20
24 V DC	32 A	38	3P	1 NO + 1 NC	104063	Ex9C32i 11 3P 24V DC	1/20
12 V DC	32 A	38	3P	1 NO + 1 NC	104061	Ex9C32i 11 3P 12V DC	1/20
220 V DC	32 A	38	3P	2 NO + 2 NC	104067	Ex9C32i 22 3P 220V DC	1/20
110 V DC	32 A	38	3P	2 NO + 2 NC	104065	Ex9C32i 22 3P 110V DC	1/20
48 V DC	32 A	38	3P	2 NO + 2 NC	104069	Ex9C32i 22 3P 48V DC	1/20
24 V DC	32 A	38	3P	2 NO + 2 NC	104068	Ex9C32i 22 3P 24V DC	1/20
12 V DC	32 A	38	3P	2 NO + 2 NC	104066	Ex9C32i 22 3P 12V DC	1/20

Low power consumption contactors Ex9Ci

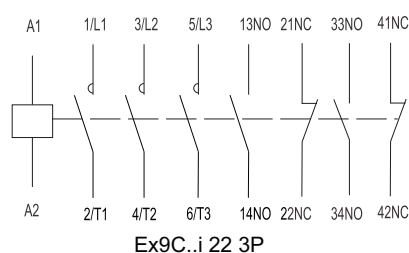
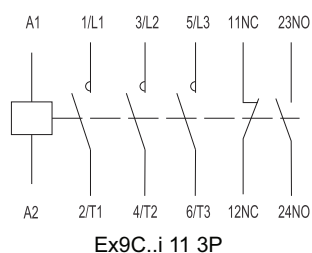
Rated current 38 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R38



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V DC	38 A	38	3P	1 NO + 1 NC	104072	Ex9C38i 11 3P 220V DC	1/20
110 V DC	38 A	38	3P	1 NO + 1 NC	104070	Ex9C38i 11 3P 110V DC	1/20
48 V DC	38 A	38	3P	1 NO + 1 NC	104074	Ex9C38i 11 3P 48V DC	1/20
24 V DC	38 A	38	3P	1 NO + 1 NC	104073	Ex9C38i 11 3P 24V DC	1/20
12 V DC	38 A	38	3P	1 NO + 1 NC	104071	Ex9C38i 11 3P 12V DC	1/20
220 V DC	38 A	38	3P	2 NO + 2 NC	104077	Ex9C38i 22 3P 220V DC	1/20
110 V DC	38 A	38	3P	2 NO + 2 NC	104075	Ex9C38i 22 3P 110V DC	1/20
48 V DC	38 A	38	3P	2 NO + 2 NC	104079	Ex9C38i 22 3P 48V DC	1/20
24 V DC	38 A	38	3P	2 NO + 2 NC	104078	Ex9C38i 22 3P 24V DC	1/20
12 V DC	38 A	38	3P	2 NO + 2 NC	104076	Ex9C38i 22 3P 12V DC	1/20

Wiring diagrams



Low power consumption contactors Ex9Ci

Rated current 40 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V AC/DC	40 A	65	3P	1 NO + 1 NC	104082	Ex9C40i 11 3P 220V AC/DC	1/12
110 V AC/DC	40 A	65	3P	1 NO + 1 NC	104080	Ex9C40i 11 3P 110V AC/DC	1/12
48 V AC/DC	40 A	65	3P	1 NO + 1 NC	104084	Ex9C40i 11 3P 48V AC/DC	1/12
24 V AC/DC	40 A	65	3P	1 NO + 1 NC	104083	Ex9C40i 11 3P 24V AC/DC	1/12
12 V DC	40 A	65	3P	1 NO + 1 NC	104081	Ex9C40i 11 3P 12V DC	1/12

Rated current 50 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V AC/DC	50 A	65	3P	1 NO + 1 NC	104087	Ex9C50i 11 3P 220V AC/DC	1/12
110 V AC/DC	50 A	65	3P	1 NO + 1 NC	104085	Ex9C50i 11 3P 110V AC/DC	1/12
48 V AC/DC	50 A	65	3P	1 NO + 1 NC	104089	Ex9C50i 11 3P 48V AC/DC	1/12
24 V AC/DC	50 A	65	3P	1 NO + 1 NC	104088	Ex9C50i 11 3P 24V AC/DC	1/12
12 V DC	50 A	65	3P	1 NO + 1 NC	104086	Ex9C50i 11 3P 12V DC	1/12

Low power consumption contactors Ex9Ci

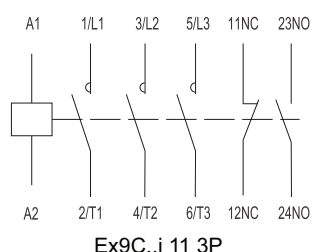
Rated current 65 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
220 V AC/DC	65 A	65	3P	1 NO + 1 NC	104092	Ex9C65i 11 3P 220V AC/DC	1/12
110 V AC/DC	65 A	65	3P	1 NO + 1 NC	104090	Ex9C65i 11 3P 110V AC/DC	1/12
48 V AC/DC	65 A	65	3P	1 NO + 1 NC	104094	Ex9C65i 11 3P 48V AC/DC	1/12
24 V AC/DC	65 A	65	3P	1 NO + 1 NC	104093	Ex9C65i 11 3P 24V AC/DC	1/12
12 V DC	65 A	65	3P	1 NO + 1 NC	104091	Ex9C65i 11 3P 12V DC	1/12

Wiring diagram



Low power consumption contactors Ex9Ci

Rated current 80 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
380 V AC/DC	80 A	100	3P	1 NO + 1 NC	104099	Ex9C80i 11 3P 380V AC/DC	1/12
220 V AC/DC	80 A	100	3P	1 NO + 1 NC	104097	Ex9C80i 11 3P 220V AC/DC	1/12
110 V AC/DC	80 A	100	3P	1 NO + 1 NC	104095	Ex9C80i 11 3P 110V AC/DC	1/12
48 V AC/DC	80 A	100	3P	1 NO + 1 NC	104100	Ex9C80i 11 3P 48V AC/DC	1/12
24 V AC/DC	80 A	100	3P	1 NO + 1 NC	104098	Ex9C80i 11 3P 24V AC/DC	1/12
12 V DC	80 A	100	3P	1 NO + 1 NC	104096	Ex9C80i 11 3P 12V DC	1/12

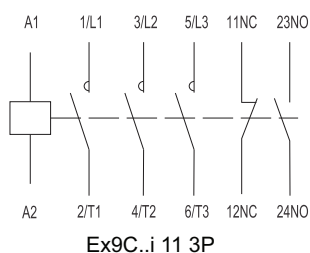
Rated current 100 A, 3-pole

- Low power consumption contactors
- Mounting onto device (DIN) rail 35 mm and 75 mm or onto panel
- Front-mounted AX42 or delayed TDD4 auxiliary contacts as well as side-mounted ones AX43 can be used
- Can be combined with overload relays Ex9R100



Control voltage	I_e	Fr. size	Poles	Auxiliary contacts	Article No.	Type	Packing
380 V AC/DC	100 A	100	3P	1 NO + 1 NC	104105	Ex9C100i 11 3P 380V AC/DC	1/12
220 V AC/DC	100 A	100	3P	1 NO + 1 NC	104103	Ex9C100i 11 3P 220V AC/DC	1/12
110 V AC/DC	100 A	100	3P	1 NO + 1 NC	104101	Ex9C100i 11 3P 110V AC/DC	1/12
48 V AC/DC	100 A	100	3P	1 NO + 1 NC	104106	Ex9C100i 11 3P 48V AC/DC	1/12
24 V AC/DC	100 A	100	3P	1 NO + 1 NC	104104	Ex9C100i 11 3P 24V AC/DC	1/12
12 V DC	100 A	100	3P	1 NO + 1 NC	104102	Ex9C100i 11 3P 12V DC	1/12

Wiring diagram



Contactors Ex9C up to 500 A



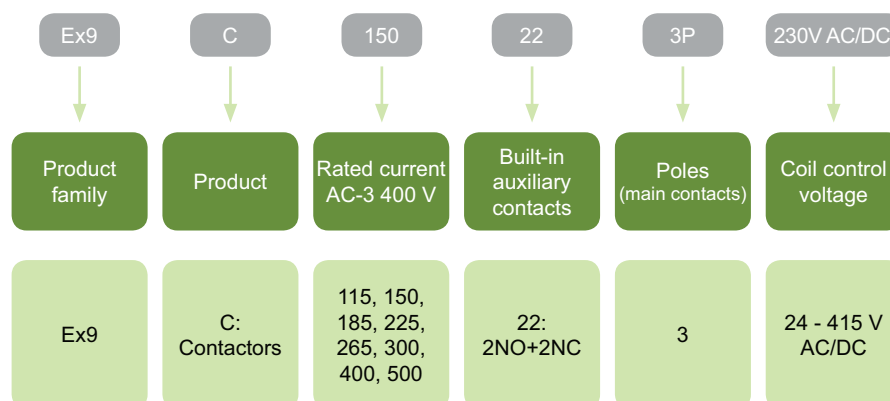
- Contactors according to IEC / EN 60947-4-1
- Rated current 115 - 500 A at 400 V AC-3
- 3-pole versions
- Coil control voltage 24 — 415 V AC/DC
- Rated conditional short circuit current I_q 50 kA
- Suitable for industrial applications
- Mounting onto panel with screws

Ex9C contactors for rated current 115 - 500 A in category AC-3 are intended for various industrial applications including the heavy industrial ones. Splitting into next three frame sizes brings optimization of electrical parameters and mechanical dimensions. All these frame sizes share accessory auxiliary contacts.

The contactors are equipped with controlled coil. It ensures that power consumption is significantly reduced when contactor is closed.

Overload relays Ex9R differ with the frame sizes in order to fit respective contactor of given rated current.

Type Key



Certification marks



Contactors Ex9C up to 500 A

Frame sizes



Frame size 185
Rated currents
115, 150, 185 A



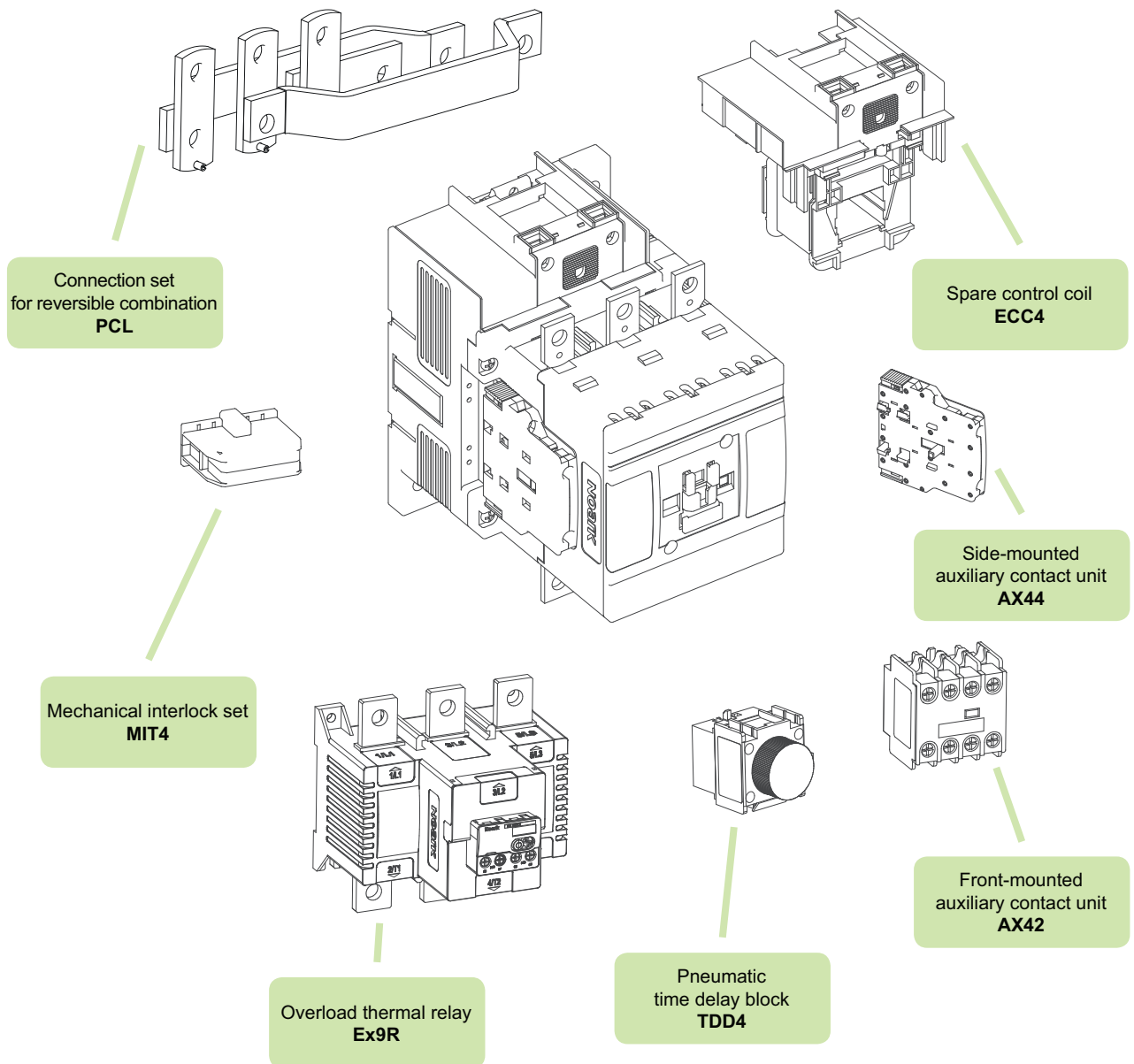
Frame size 300
Rated currents
225, 265, 300 A



Frame size 500
Rated currents
400, 500 A

Contactors Ex9C up to 500 A

Accessories



Front-mounted auxiliary contacts AX42

see page 78

Side-mounted auxiliary contacts AX44

see page 79

Overload thermal relays Ex9R

see page 89

Pneumatic time delay block TDD4

see page 80

Mechanical interlock MIT4

see page 79

Connection set for reversible combination PCL

see page 79

Spare control coil ECC4

see page 81

Contactors Ex9C, frame size 185

Rated current 115 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R185



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	115 A	185	3P	2NO+2NC	106213	Ex9C115 22 3P 415V AC/DC	1/2
400 V AC/DC	115 A	185	3P	2NO+2NC	106214	Ex9C115 22 3P 400V AC/DC	1/2
380 V AC/DC	115 A	185	3P	2NO+2NC	106215	Ex9C115 22 3P 380V AC/DC	1/2
240 V AC/DC	115 A	185	3P	2NO+2NC	106218	Ex9C115 22 3P 240V AC/DC	1/2
230 V AC/DC	115 A	185	3P	2NO+2NC	106219	Ex9C115 22 3P 230V AC/DC	1/2
220 V AC/DC	115 A	185	3P	2NO+2NC	106220	Ex9C115 22 3P 220V AC/DC	1/2
127 V AC/DC	115 A	185	3P	2NO+2NC	106221	Ex9C115 22 3P 127V AC/DC	1/2
110 V AC/DC	115 A	185	3P	2NO+2NC	106222	Ex9C115 22 3P 110V AC/DC	1/2
48 V AC/DC	115 A	185	3P	2NO+2NC	106211	Ex9C115 22 3P 48V AC/DC	1/2
42 V AC/DC	115 A	185	3P	2NO+2NC	106212	Ex9C115 22 3P 42V AC/DC	1/2
36 V AC/DC	115 A	185	3P	2NO+2NC	106216	Ex9C115 22 3P 36V AC/DC	1/2
24 V AC/DC	115 A	185	3P	2NO+2NC	106217	Ex9C115 22 3P 24V AC/DC	1/2

Rated current 150 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R185



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	150 A	185	3P	2NO+2NC	106225	Ex9C150 22 3P 415V AC/DC	1/2
400 V AC/DC	150 A	185	3P	2NO+2NC	106226	Ex9C150 22 3P 400V AC/DC	1/2
380 V AC/DC	150 A	185	3P	2NO+2NC	106227	Ex9C150 22 3P 380V AC/DC	1/2
240 V AC/DC	150 A	185	3P	2NO+2NC	106230	Ex9C150 22 3P 240V AC/DC	1/2
230 V AC/DC	150 A	185	3P	2NO+2NC	106231	Ex9C150 22 3P 230V AC/DC	1/2
220 V AC/DC	150 A	185	3P	2NO+2NC	106232	Ex9C150 22 3P 220V AC/DC	1/2
127 V AC/DC	150 A	185	3P	2NO+2NC	106233	Ex9C150 22 3P 127V AC/DC	1/2
110 V AC/DC	150 A	185	3P	2NO+2NC	106234	Ex9C150 22 3P 110V AC/DC	1/2
48 V AC/DC	150 A	185	3P	2NO+2NC	106223	Ex9C150 22 3P 48V AC/DC	1/2
42 V AC/DC	150 A	185	3P	2NO+2NC	106224	Ex9C150 22 3P 42V AC/DC	1/2
36 V AC/DC	150 A	185	3P	2NO+2NC	106228	Ex9C150 22 3P 36V AC/DC	1/2
24 V AC/DC	150 A	185	3P	2NO+2NC	106229	Ex9C150 22 3P 24V AC/DC	1/2

Contactors Ex9C, frame size 185

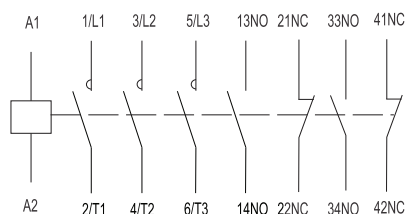
Rated current 185 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R185



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	185 A	185	3P	2NO+2NC	106237	Ex9C185 22 3P 415V AC/DC	1/2
400 V AC/DC	185 A	185	3P	2NO+2NC	106238	Ex9C185 22 3P 400V AC/DC	1/2
380 V AC/DC	185 A	185	3P	2NO+2NC	106239	Ex9C185 22 3P 380V AC/DC	1/2
240 V AC/DC	185 A	185	3P	2NO+2NC	106242	Ex9C185 22 3P 240V AC/DC	1/2
230 V AC/DC	185 A	185	3P	2NO+2NC	106243	Ex9C185 22 3P 230V AC/DC	1/2
220 V AC/DC	185 A	185	3P	2NO+2NC	106244	Ex9C185 22 3P 220V AC/DC	1/2
127 V AC/DC	185 A	185	3P	2NO+2NC	106245	Ex9C185 22 3P 127V AC/DC	1/2
110 V AC/DC	185 A	185	3P	2NO+2NC	106246	Ex9C185 22 3P 110V AC/DC	1/2
48 V AC/DC	185 A	185	3P	2NO+2NC	106235	Ex9C185 22 3P 48V AC/DC	1/2
42 V AC/DC	185 A	185	3P	2NO+2NC	106236	Ex9C185 22 3P 42V AC/DC	1/2
36 V AC/DC	185 A	185	3P	2NO+2NC	106240	Ex9C185 22 3P 36V AC/DC	1/2
24 V AC/DC	185 A	185	3P	2NO+2NC	106241	Ex9C185 22 3P 24V AC/DC	1/2

Wiring diagram



Contactors Ex9C, frame size 300

Rated current 225 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R500



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	225 A	300	3P	2NO+2NC	106249	Ex9C225 22 3P 415V AC/DC	1/2
400 V AC/DC	225 A	300	3P	2NO+2NC	106250	Ex9C225 22 3P 400V AC/DC	1/2
380 V AC/DC	225 A	300	3P	2NO+2NC	106251	Ex9C225 22 3P 380V AC/DC	1/2
240 V AC/DC	225 A	300	3P	2NO+2NC	106254	Ex9C225 22 3P 240V AC/DC	1/2
230 V AC/DC	225 A	300	3P	2NO+2NC	106255	Ex9C225 22 3P 230V AC/DC	1/2
220 V AC/DC	225 A	300	3P	2NO+2NC	106256	Ex9C225 22 3P 220V AC/DC	1/2
127 V AC/DC	225 A	300	3P	2NO+2NC	106257	Ex9C225 22 3P 127V AC/DC	1/2
110 V AC/DC	225 A	300	3P	2NO+2NC	106258	Ex9C225 22 3P 110V AC/DC	1/2
48 V AC/DC	225 A	300	3P	2NO+2NC	106247	Ex9C225 22 3P 48V AC/DC	1/2
42 V AC/DC	225 A	300	3P	2NO+2NC	106248	Ex9C225 22 3P 42V AC/DC	1/2
36 V AC/DC	225 A	300	3P	2NO+2NC	106252	Ex9C225 22 3P 36V AC/DC	1/2
24 V AC/DC	225 A	300	3P	2NO+2NC	106253	Ex9C225 22 3P 24V AC/DC	1/2

Rated current 265 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R500



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	265 A	300	3P	2NO+2NC	106261	Ex9C265 22 3P 415V AC/DC	1/2
400 V AC/DC	265 A	300	3P	2NO+2NC	106262	Ex9C265 22 3P 400V AC/DC	1/2
380 V AC/DC	265 A	300	3P	2NO+2NC	106263	Ex9C265 22 3P 380V AC/DC	1/2
240 V AC/DC	265 A	300	3P	2NO+2NC	106266	Ex9C265 22 3P 240V AC/DC	1/2
230 V AC/DC	265 A	300	3P	2NO+2NC	106267	Ex9C265 22 3P 230V AC/DC	1/2
220 V AC/DC	265 A	300	3P	2NO+2NC	106268	Ex9C265 22 3P 220V AC/DC	1/2
127 V AC/DC	265 A	300	3P	2NO+2NC	106269	Ex9C265 22 3P 127V AC/DC	1/2
110 V AC/DC	265 A	300	3P	2NO+2NC	106270	Ex9C265 22 3P 110V AC/DC	1/2
48 V AC/DC	265 A	300	3P	2NO+2NC	106259	Ex9C265 22 3P 48V AC/DC	1/2
42 V AC/DC	265 A	300	3P	2NO+2NC	106260	Ex9C265 22 3P 42V AC/DC	1/2
36 V AC/DC	265 A	300	3P	2NO+2NC	106264	Ex9C265 22 3P 36V AC/DC	1/2
24 V AC/DC	265 A	300	3P	2NO+2NC	106265	Ex9C265 22 3P 24V AC/DC	1/2

Contactors Ex9C, frame size 300

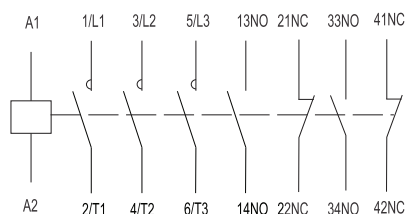
Rated current 300 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R500



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	300 A	300	3P	2NO+2NC	106273	Ex9C300 22 3P 415V AC/DC	1/2
400 V AC/DC	300 A	300	3P	2NO+2NC	106274	Ex9C300 22 3P 400V AC/DC	1/2
380 V AC/DC	300 A	300	3P	2NO+2NC	106275	Ex9C300 22 3P 380V AC/DC	1/2
240 V AC/DC	300 A	300	3P	2NO+2NC	106278	Ex9C300 22 3P 240V AC/DC	1/2
230 V AC/DC	300 A	300	3P	2NO+2NC	106279	Ex9C300 22 3P 230V AC/DC	1/2
220 V AC/DC	300 A	300	3P	2NO+2NC	106280	Ex9C300 22 3P 220V AC/DC	1/2
127 V AC/DC	300 A	300	3P	2NO+2NC	106281	Ex9C300 22 3P 127V AC/DC	1/2
110 V AC/DC	300 A	300	3P	2NO+2NC	106282	Ex9C300 22 3P 110V AC/DC	1/2
48 V AC/DC	300 A	300	3P	2NO+2NC	106271	Ex9C300 22 3P 48V AC/DC	1/2
42 V AC/DC	300 A	300	3P	2NO+2NC	106272	Ex9C300 22 3P 42V AC/DC	1/2
36 V AC/DC	300 A	300	3P	2NO+2NC	106276	Ex9C300 22 3P 36V AC/DC	1/2
24 V AC/DC	300 A	300	3P	2NO+2NC	106277	Ex9C300 22 3P 24V AC/DC	1/2

Wiring diagram



Contactors Ex9C, frame size 500

Rated current 400 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R500



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	400 A	500	3P	2NO+2NC	106285	Ex9C400 22 3P 415V AC/DC	1/1
400 V AC/DC	400 A	500	3P	2NO+2NC	106286	Ex9C400 22 3P 400V AC/DC	1/1
380 V AC/DC	400 A	500	3P	2NO+2NC	106287	Ex9C400 22 3P 380V AC/DC	1/1
240 V AC/DC	400 A	500	3P	2NO+2NC	106290	Ex9C400 22 3P 240V AC/DC	1/1
230 V AC/DC	400 A	500	3P	2NO+2NC	106291	Ex9C400 22 3P 230V AC/DC	1/1
220 V AC/DC	400 A	500	3P	2NO+2NC	106292	Ex9C400 22 3P 220V AC/DC	1/1
127 V AC/DC	400 A	500	3P	2NO+2NC	106293	Ex9C400 22 3P 127V AC/DC	1/1
110 V AC/DC	400 A	500	3P	2NO+2NC	106294	Ex9C400 22 3P 110V AC/DC	1/1
48 V AC/DC	400 A	500	3P	2NO+2NC	106283	Ex9C400 22 3P 48V AC/DC	1/1
42 V AC/DC	400 A	500	3P	2NO+2NC	106284	Ex9C400 22 3P 42V AC/DC	1/1
36 V AC/DC	400 A	500	3P	2NO+2NC	106288	Ex9C400 22 3P 36V AC/DC	1/1
24 V AC/DC	400 A	500	3P	2NO+2NC	106289	Ex9C400 22 3P 24V AC/DC	1/1

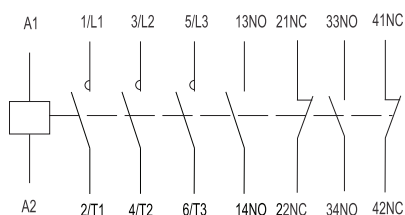
Rated current 500 A, 3-pole

- Mounting onto panel with screws
- Front-mounted auxiliary contacts AX42.. as well as side-mounted ones AX44.. can be used
- AC and DC control voltage
- Minimized power consumption of coil
- Can be combined with overload relays Ex9R500



Control voltage	I_e	Frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
415 V AC/DC	500 A	500	3P	2NO+2NC	106297	Ex9C500 22 3P 415V AC/DC	1/1
400 V AC/DC	500 A	500	3P	2NO+2NC	106298	Ex9C500 22 3P 400V AC/DC	1/1
380 V AC/DC	500 A	500	3P	2NO+2NC	106299	Ex9C500 22 3P 380V AC/DC	1/1
240 V AC/DC	500 A	500	3P	2NO+2NC	106302	Ex9C500 22 3P 240V AC/DC	1/1
230 V AC/DC	500 A	500	3P	2NO+2NC	106303	Ex9C500 22 3P 230V AC/DC	1/1
220 V AC/DC	500 A	500	3P	2NO+2NC	106304	Ex9C500 22 3P 220V AC/DC	1/1
127 V AC/DC	500 A	500	3P	2NO+2NC	106305	Ex9C500 22 3P 127V AC/DC	1/1
110 V AC/DC	500 A	500	3P	2NO+2NC	106306	Ex9C500 22 3P 110V AC/DC	1/1
48 V AC/DC	500 A	500	3P	2NO+2NC	106295	Ex9C500 22 3P 48V AC/DC	1/1
42 V AC/DC	500 A	500	3P	2NO+2NC	106296	Ex9C500 22 3P 42V AC/DC	1/1
36 V AC/DC	500 A	500	3P	2NO+2NC	106300	Ex9C500 22 3P 36V AC/DC	1/1
24 V AC/DC	500 A	500	3P	2NO+2NC	106301	Ex9C500 22 3P 24V AC/DC	1/1

Wiring diagram



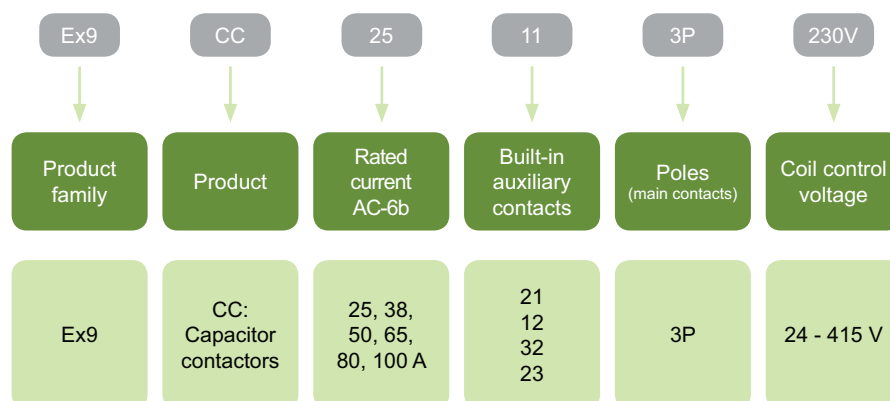
Capacitor contactors Ex9CC



- Contactors for switching of capacity loads, especially power factor compensation capacitors
- Tested according to IEC / EN 60947-4-1
- 3-pole versions
- Rated current AC-6b up to 100 A
- Coil control voltage 24 — 415 V AC
- Mounting onto DIN rail or onto panel
- Variants for compensation up to 60 kvar at 400 V

Capacitor contactors Ex9CC are used mainly for switching of power factor correction blocks. These types of contactors are fitted and delivered with special front mounted block of series resistors which ensures early making of auxiliary poles and connect the capacitor to the network via the set of resistors, when the coil is energized. The contactor with this current suppression block can effectively reduce the current impact of the capacitors and operational overvoltage. Utilization category of these contactors is AC-6b.

Type Key



Certification marks



Capacitor contactors Ex9CC

Frame sizes



Frame size 38
Rated currents 25, 38 A
Rated power 16, 25 kvar at 400 V



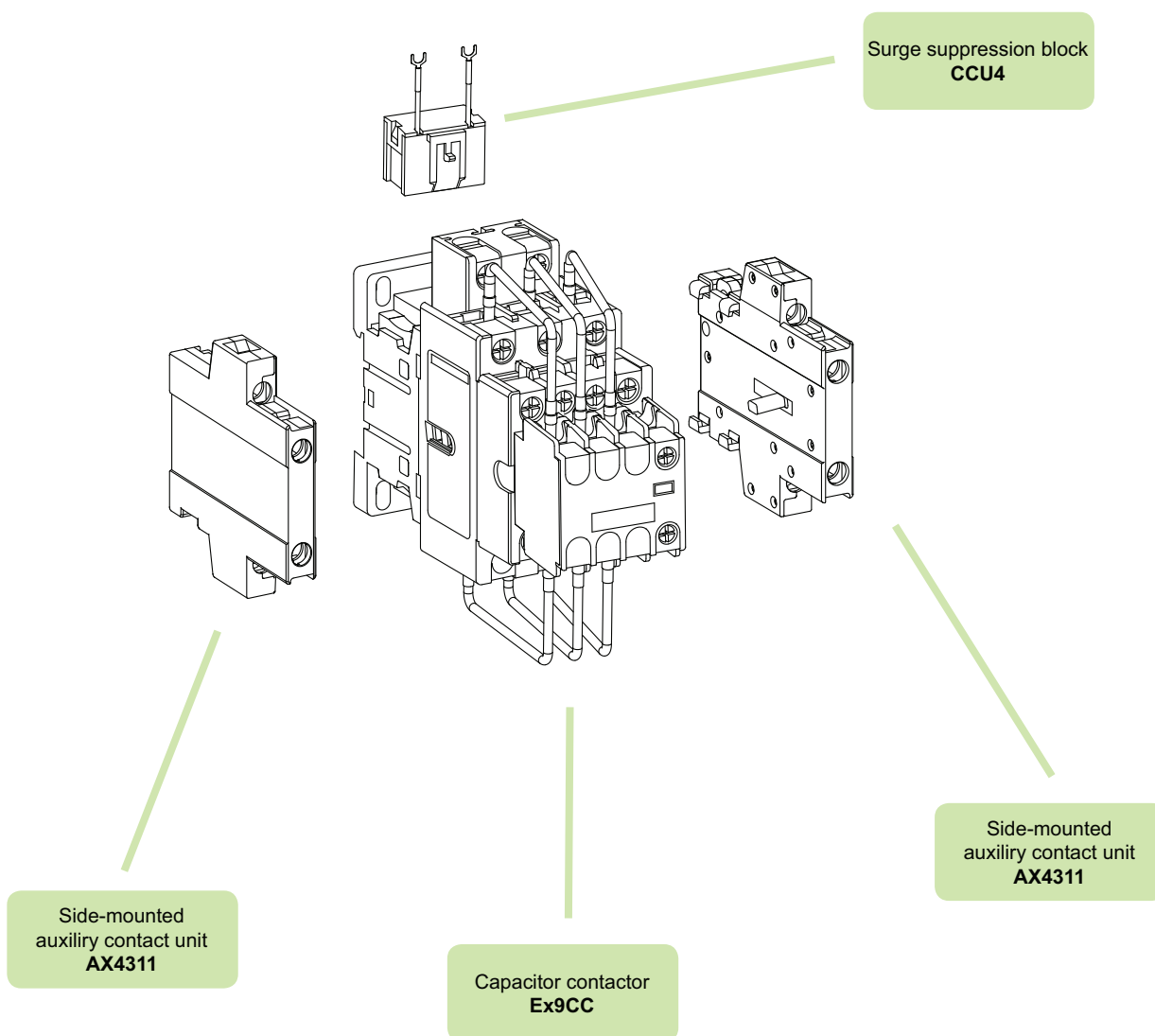
Frame size 65
Rated currents 50, 65 A
Rated power 30, 40 kvar at 400 V



Frame size 100
Rated currents 80, 100 A
Rated power 50, 60 kvar at 400 V

Capacitor contactors Ex9CC

Accessories



Auxiliary contacts AX4311
Surge suppression block CCU4

see page 78
see page 80

Capacitor contactors Ex9CC

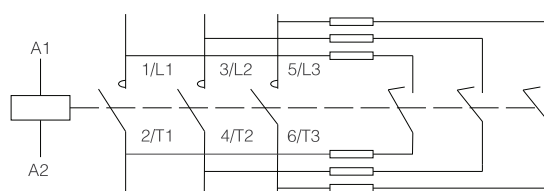
Rated current 25 A AC-6b, 3-pole

- For compensation up to 16 kvar at 400 V AC
- Mounting onto device DIN rail or onto panel
- Side-mounted auxiliary contacts AX43 can be used



Control voltage	AC-6b current	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	25 A	38	1 NO + 2 NC	104203	Ex9CC25 12 3P 415V	1/14
400 V AC	25 A	38	1 NO + 2 NC	104202	Ex9CC25 12 3P 400V	1/14
380 V AC	25 A	38	1 NO + 2 NC	104201	Ex9CC25 12 3P 380V	1/14
240 V AC	25 A	38	1 NO + 2 NC	104198	Ex9CC25 12 3P 240V	1/14
230 V AC	25 A	38	1 NO + 2 NC	104197	Ex9CC25 12 3P 230V	1/14
220 V AC	25 A	38	1 NO + 2 NC	104196	Ex9CC25 12 3P 220V	1/14
127 V AC	25 A	38	1 NO + 2 NC	104195	Ex9CC25 12 3P 127V	1/14
110 V AC	25 A	38	1 NO + 2 NC	104194	Ex9CC25 12 3P 110V	1/14
48 V AC	25 A	38	1 NO + 2 NC	104205	Ex9CC25 12 3P 48V	1/14
42 V AC	25 A	38	1 NO + 2 NC	104204	Ex9CC25 12 3P 42V	1/14
36 V AC	25 A	38	1 NO + 2 NC	104200	Ex9CC25 12 3P 36V	1/14
24 V AC	25 A	38	1 NO + 2 NC	104199	Ex9CC25 12 3P 24V	1/14
415 V AC	25 A	38	2 NO + 1 NC	104215	Ex9CC25 21 3P 415V	1/14
400 V AC	25 A	38	2 NO + 1 NC	104214	Ex9CC25 21 3P 400V	1/14
380 V AC	25 A	38	2 NO + 1 NC	104213	Ex9CC25 21 3P 380V	1/14
240 V AC	25 A	38	2 NO + 1 NC	104210	Ex9CC25 21 3P 240V	1/14
230 V AC	25 A	38	2 NO + 1 NC	104209	Ex9CC25 21 3P 230V	1/14
220 V AC	25 A	38	2 NO + 1 NC	104208	Ex9CC25 21 3P 220V	1/14
127 V AC	25 A	38	2 NO + 1 NC	104207	Ex9CC25 21 3P 127V	1/14
110 V AC	25 A	38	2 NO + 1 NC	104206	Ex9CC25 21 3P 110V	1/14
48 V AC	25 A	38	2 NO + 1 NC	104217	Ex9CC25 21 3P 48V	1/14
42 V AC	25 A	38	2 NO + 1 NC	104216	Ex9CC25 21 3P 42V	1/14
36 V AC	25 A	38	2 NO + 1 NC	104212	Ex9CC25 21 3P 36V	1/14
24 V AC	25 A	38	2 NO + 1 NC	104211	Ex9CC25 21 3P 24V	1/14
415 V AC	25 A	38	2 NO + 3 NC	104227	Ex9CC25 23 3P 415V	1/14
400 V AC	25 A	38	2 NO + 3 NC	104226	Ex9CC25 23 3P 400V	1/14
380 V AC	25 A	38	2 NO + 3 NC	104225	Ex9CC25 23 3P 380V	1/14
240 V AC	25 A	38	2 NO + 3 NC	104222	Ex9CC25 23 3P 240V	1/14
230 V AC	25 A	38	2 NO + 3 NC	104221	Ex9CC25 23 3P 230V	1/14
220 V AC	25 A	38	2 NO + 3 NC	104220	Ex9CC25 23 3P 220V	1/14
127 V AC	25 A	38	2 NO + 3 NC	104219	Ex9CC25 23 3P 127V	1/14
110 V AC	25 A	38	2 NO + 3 NC	104218	Ex9CC25 23 3P 110V	1/14
48 V AC	25 A	38	2 NO + 3 NC	104229	Ex9CC25 23 3P 48V	1/14
42 V AC	25 A	38	2 NO + 3 NC	104228	Ex9CC25 23 3P 42V	1/14
36 V AC	25 A	38	2 NO + 3 NC	104224	Ex9CC25 23 3P 36V	1/14
24 V AC	25 A	38	2 NO + 3 NC	104223	Ex9CC25 23 3P 24V	1/14
415 V AC	25 A	38	3 NO + 2 NC	104239	Ex9CC25 32 3P 415V	1/14
400 V AC	25 A	38	3 NO + 2 NC	104238	Ex9CC25 32 3P 400V	1/14
380 V AC	25 A	38	3 NO + 2 NC	104237	Ex9CC25 32 3P 380V	1/14
240 V AC	25 A	38	3 NO + 2 NC	104234	Ex9CC25 32 3P 240V	1/14
230 V AC	25 A	38	3 NO + 2 NC	104233	Ex9CC25 32 3P 230V	1/14
220 V AC	25 A	38	3 NO + 2 NC	104232	Ex9CC25 32 3P 220V	1/14
127 V AC	25 A	38	3 NO + 2 NC	104231	Ex9CC25 32 3P 127V	1/14
110 V AC	25 A	38	3 NO + 2 NC	104230	Ex9CC25 32 3P 110V	1/14
48 V AC	25 A	38	3 NO + 2 NC	104241	Ex9CC25 32 3P 48V	1/14
42 V AC	25 A	38	3 NO + 2 NC	104240	Ex9CC25 32 3P 42V	1/14
36 V AC	25 A	38	3 NO + 2 NC	104236	Ex9CC25 32 3P 36V	1/14
24 V AC	25 A	38	3 NO + 2 NC	104235	Ex9CC25 32 3P 24V	1/14

Main terminals wiring diagram



Capacitor contactors Ex9CC

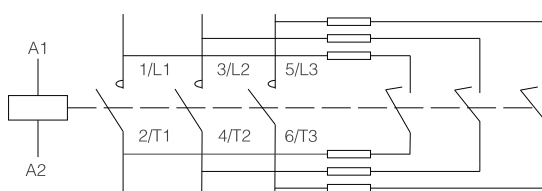
Rated current 38 A AC-6b, 3-pole

- For compensation up to 25 kvar at 400 V AC
- Mounting onto device DIN rail or onto panel
- Side-mounted auxiliary contacts AX43 can be used



Control voltage	AC-6b current	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	38 A	38	1 NO + 2 NC	104251	Ex9CC38 12 3P 415V	1/14
400 V AC	38 A	38	1 NO + 2 NC	104250	Ex9CC38 12 3P 400V	1/14
380 V AC	38 A	38	1 NO + 2 NC	104249	Ex9CC38 12 3P 380V	1/14
240 V AC	38 A	38	1 NO + 2 NC	104246	Ex9CC38 12 3P 240V	1/14
230 V AC	38 A	38	1 NO + 2 NC	104245	Ex9CC38 12 3P 230V	1/14
220 V AC	38 A	38	1 NO + 2 NC	104244	Ex9CC38 12 3P 220V	1/14
127 V AC	38 A	38	1 NO + 2 NC	104243	Ex9CC38 12 3P 127V	1/14
110 V AC	38 A	38	1 NO + 2 NC	104242	Ex9CC38 12 3P 110V	1/14
48 V AC	38 A	38	1 NO + 2 NC	104253	Ex9CC38 12 3P 48V	1/14
42 V AC	38 A	38	1 NO + 2 NC	104252	Ex9CC38 12 3P 42V	1/14
36 V AC	38 A	38	1 NO + 2 NC	104248	Ex9CC38 12 3P 36V	1/14
24 V AC	38 A	38	1 NO + 2 NC	104247	Ex9CC38 12 3P 24V	1/14
415 V AC	38 A	38	2 NO + 1 NC	104263	Ex9CC38 21 3P 415V	1/14
400 V AC	38 A	38	2 NO + 1 NC	104262	Ex9CC38 21 3P 400V	1/14
380 V AC	38 A	38	2 NO + 1 NC	104261	Ex9CC38 21 3P 380V	1/14
240 V AC	38 A	38	2 NO + 1 NC	104258	Ex9CC38 21 3P 240V	1/14
230 V AC	38 A	38	2 NO + 1 NC	104257	Ex9CC38 21 3P 230V	1/14
220 V AC	38 A	38	2 NO + 1 NC	104256	Ex9CC38 21 3P 220V	1/14
127 V AC	38 A	38	2 NO + 1 NC	104255	Ex9CC38 21 3P 127V	1/14
110 V AC	38 A	38	2 NO + 1 NC	104254	Ex9CC38 21 3P 110V	1/14
48 V AC	38 A	38	2 NO + 1 NC	104265	Ex9CC38 21 3P 48V	1/14
42 V AC	38 A	38	2 NO + 1 NC	104264	Ex9CC38 21 3P 42V	1/14
36 V AC	38 A	38	2 NO + 1 NC	104260	Ex9CC38 21 3P 36V	1/14
24 V AC	38 A	38	2 NO + 1 NC	104259	Ex9CC38 21 3P 24V	1/14
415 V AC	38 A	38	2 NO + 3 NC	104275	Ex9CC38 23 3P 415V	1/14
400 V AC	38 A	38	2 NO + 3 NC	104274	Ex9CC38 23 3P 400V	1/14
380 V AC	38 A	38	2 NO + 3 NC	104273	Ex9CC38 23 3P 380V	1/14
240 V AC	38 A	38	2 NO + 3 NC	104270	Ex9CC38 23 3P 240V	1/14
230 V AC	38 A	38	2 NO + 3 NC	104269	Ex9CC38 23 3P 230V	1/14
220 V AC	38 A	38	2 NO + 3 NC	104268	Ex9CC38 23 3P 220V	1/14
127 V AC	38 A	38	2 NO + 3 NC	104267	Ex9CC38 23 3P 127V	1/14
110 V AC	38 A	38	2 NO + 3 NC	104266	Ex9CC38 23 3P 110V	1/14
48 V AC	38 A	38	2 NO + 3 NC	104277	Ex9CC38 23 3P 48V	1/14
42 V AC	38 A	38	2 NO + 3 NC	104276	Ex9CC38 23 3P 42V	1/14
36 V AC	38 A	38	2 NO + 3 NC	104272	Ex9CC38 23 3P 36V	1/14
24 V AC	38 A	38	2 NO + 3 NC	104271	Ex9CC38 23 3P 24V	1/14
415 V AC	38 A	38	3 NO + 2 NC	104287	Ex9CC38 32 3P 415V	1/14
400 V AC	38 A	38	3 NO + 2 NC	104286	Ex9CC38 32 3P 400V	1/14
380 V AC	38 A	38	3 NO + 2 NC	104285	Ex9CC38 32 3P 380V	1/14
240 V AC	38 A	38	3 NO + 2 NC	104282	Ex9CC38 32 3P 240V	1/14
230 V AC	38 A	38	3 NO + 2 NC	104281	Ex9CC38 32 3P 230V	1/14
220 V AC	38 A	38	3 NO + 2 NC	104280	Ex9CC38 32 3P 220V	1/14
127 V AC	38 A	38	3 NO + 2 NC	104279	Ex9CC38 32 3P 127V	1/14
110 V AC	38 A	38	3 NO + 2 NC	104278	Ex9CC38 32 3P 110V	1/14
48 V AC	38 A	38	3 NO + 2 NC	104289	Ex9CC38 32 3P 48V	1/14
42 V AC	38 A	38	3 NO + 2 NC	104288	Ex9CC38 32 3P 42V	1/14
36 V AC	38 A	38	3 NO + 2 NC	104284	Ex9CC38 32 3P 36V	1/14
24 V AC	38 A	38	3 NO + 2 NC	104283	Ex9CC38 32 3P 24V	1/14

Main terminals wiring diagram



Capacitor contactors Ex9CC

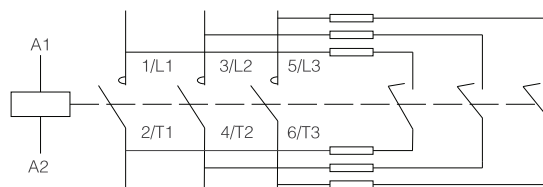
Rated current 50 A AC-6b, 3-pole

- For compensation up to 30 kvar at 400 V AC
- Mounting onto device DIN rail or onto panel
- Side-mounted auxiliary contacts AX43 can be used



Control voltage	AC-6b current	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	50 A	65	1 NO + 2 NC	104299	Ex9CC50 12 3P 415V	1/6
400 V AC	50 A	65	1 NO + 2 NC	104298	Ex9CC50 12 3P 400V	1/6
380 V AC	50 A	65	1 NO + 2 NC	104297	Ex9CC50 12 3P 380V	1/6
240 V AC	50 A	65	1 NO + 2 NC	104294	Ex9CC50 12 3P 240V	1/6
230 V AC	50 A	65	1 NO + 2 NC	104293	Ex9CC50 12 3P 230V	1/6
220 V AC	50 A	65	1 NO + 2 NC	104292	Ex9CC50 12 3P 220V	1/6
127 V AC	50 A	65	1 NO + 2 NC	104291	Ex9CC50 12 3P 127V	1/6
110 V AC	50 A	65	1 NO + 2 NC	104290	Ex9CC50 12 3P 110V	1/6
48 V AC	50 A	65	1 NO + 2 NC	104301	Ex9CC50 12 3P 48V	1/6
42 V AC	50 A	65	1 NO + 2 NC	104300	Ex9CC50 12 3P 42V	1/6
36 V AC	50 A	65	1 NO + 2 NC	104296	Ex9CC50 12 3P 36V	1/6
24 V AC	50 A	65	1 NO + 2 NC	104295	Ex9CC50 12 3P 24V	1/6
415 V AC	50 A	65	2 NO + 1 NC	104311	Ex9CC50 21 3P 415V	1/6
400 V AC	50 A	65	2 NO + 1 NC	104310	Ex9CC50 21 3P 400V	1/6
380 V AC	50 A	65	2 NO + 1 NC	104309	Ex9CC50 21 3P 380V	1/6
240 V AC	50 A	65	2 NO + 1 NC	104306	Ex9CC50 21 3P 240V	1/6
230 V AC	50 A	65	2 NO + 1 NC	104305	Ex9CC50 21 3P 230V	1/6
220 V AC	50 A	65	2 NO + 1 NC	104304	Ex9CC50 21 3P 220V	1/6
127 V AC	50 A	65	2 NO + 1 NC	104303	Ex9CC50 21 3P 127V	1/6
110 V AC	50 A	65	2 NO + 1 NC	104302	Ex9CC50 21 3P 110V	1/6
48 V AC	50 A	65	2 NO + 1 NC	104313	Ex9CC50 21 3P 48V	1/6
42 V AC	50 A	65	2 NO + 1 NC	104312	Ex9CC50 21 3P 42V	1/6
36 V AC	50 A	65	2 NO + 1 NC	104308	Ex9CC50 21 3P 36V	1/6
24 V AC	50 A	65	2 NO + 1 NC	104307	Ex9CC50 21 3P 24V	1/6

Main terminals wiring diagram



Capacitor contactors Ex9CC

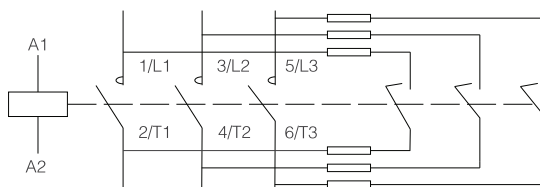
Rated current 65 A AC-6b, 3-pole

- For compensation up to 40 kvar at 400 V AC
- Mounting onto device DIN rail or onto panel
- Side-mounted auxiliary contacts AX43 can be used



Control voltage	AC-6b current	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	65 A	65	1 NO + 2 NC	104323	Ex9CC65 12 3P 415V	1/6
400 V AC	65 A	65	1 NO + 2 NC	104322	Ex9CC65 12 3P 400V	1/6
380 V AC	65 A	65	1 NO + 2 NC	104321	Ex9CC65 12 3P 380V	1/6
240 V AC	65 A	65	1 NO + 2 NC	104318	Ex9CC65 12 3P 240V	1/6
230 V AC	65 A	65	1 NO + 2 NC	104317	Ex9CC65 12 3P 230V	1/6
220 V AC	65 A	65	1 NO + 2 NC	104316	Ex9CC65 12 3P 220V	1/6
127 V AC	65 A	65	1 NO + 2 NC	104315	Ex9CC65 12 3P 127V	1/6
110 V AC	65 A	65	1 NO + 2 NC	104314	Ex9CC65 12 3P 110V	1/6
48 V AC	65 A	65	1 NO + 2 NC	104325	Ex9CC65 12 3P 48V	1/6
42 V AC	65 A	65	1 NO + 2 NC	104324	Ex9CC65 12 3P 42V	1/6
36 V AC	65 A	65	1 NO + 2 NC	104320	Ex9CC65 12 3P 36V	1/6
24 V AC	65 A	65	1 NO + 2 NC	104319	Ex9CC65 12 3P 24V	1/6
415 V AC	65 A	65	2 NO + 1 NC	104335	Ex9CC65 21 3P 415V	1/6
400 V AC	65 A	65	2 NO + 1 NC	104334	Ex9CC65 21 3P 400V	1/6
380 V AC	65 A	65	2 NO + 1 NC	104333	Ex9CC65 21 3P 380V	1/6
240 V AC	65 A	65	2 NO + 1 NC	104330	Ex9CC65 21 3P 240V	1/6
230 V AC	65 A	65	2 NO + 1 NC	104329	Ex9CC65 21 3P 230V	1/6
220 V AC	65 A	65	2 NO + 1 NC	104328	Ex9CC65 21 3P 220V	1/6
127 V AC	65 A	65	2 NO + 1 NC	104327	Ex9CC65 21 3P 127V	1/6
110 V AC	65 A	65	2 NO + 1 NC	104326	Ex9CC65 21 3P 110V	1/6
48 V AC	65 A	65	2 NO + 1 NC	104337	Ex9CC65 21 3P 48V	1/6
42 V AC	65 A	65	2 NO + 1 NC	104336	Ex9CC65 21 3P 42V	1/6
36 V AC	65 A	65	2 NO + 1 NC	104332	Ex9CC65 21 3P 36V	1/6
24 V AC	65 A	65	2 NO + 1 NC	104331	Ex9CC65 21 3P 24V	1/6

Main terminals wiring diagram



Capacitor contactors Ex9CC

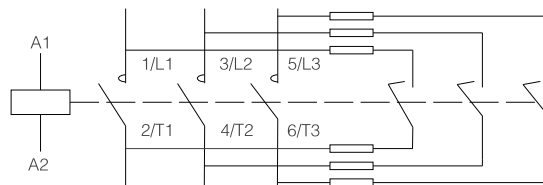
Rated current 80 A AC-6b, 3-pole

- For compensation up to 50 kvar at 400 V AC
- Mounting onto device DIN rail or onto panel
- Side-mounted auxiliary contacts AX43 can be used



Control voltage	AC-6b current	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	80 A	100	1 NO + 2 NC	104347	Ex9CC80 12 3P 415V	1/6
400 V AC	80 A	100	1 NO + 2 NC	104346	Ex9CC80 12 3P 400V	1/6
380 V AC	80 A	100	1 NO + 2 NC	104345	Ex9CC80 12 3P 380V	1/6
240 V AC	80 A	100	1 NO + 2 NC	104342	Ex9CC80 12 3P 240V	1/6
230 V AC	80 A	100	1 NO + 2 NC	104341	Ex9CC80 12 3P 230V	1/6
220 V AC	80 A	100	1 NO + 2 NC	104340	Ex9CC80 12 3P 220V	1/6
127 V AC	80 A	100	1 NO + 2 NC	104339	Ex9CC80 12 3P 127V	1/6
110 V AC	80 A	100	1 NO + 2 NC	104338	Ex9CC80 12 3P 110V	1/6
48 V AC	80 A	100	1 NO + 2 NC	104349	Ex9CC80 12 3P 48V	1/6
42 V AC	80 A	100	1 NO + 2 NC	104348	Ex9CC80 12 3P 42V	1/6
36 V AC	80 A	100	1 NO + 2 NC	104344	Ex9CC80 12 3P 36V	1/6
24 V AC	80 A	100	1 NO + 2 NC	104343	Ex9CC80 12 3P 24V	1/6
415 V AC	80 A	100	2 NO + 1 NC	104359	Ex9CC80 21 3P 415V	1/6
400 V AC	80 A	100	2 NO + 1 NC	104358	Ex9CC80 21 3P 400V	1/6
380 V AC	80 A	100	2 NO + 1 NC	104357	Ex9CC80 21 3P 380V	1/6
240 V AC	80 A	100	2 NO + 1 NC	104354	Ex9CC80 21 3P 240V	1/6
230 V AC	80 A	100	2 NO + 1 NC	104353	Ex9CC80 21 3P 230V	1/6
220 V AC	80 A	100	2 NO + 1 NC	104352	Ex9CC80 21 3P 220V	1/6
127 V AC	80 A	100	2 NO + 1 NC	104351	Ex9CC80 21 3P 127V	1/6
110 V AC	80 A	100	2 NO + 1 NC	104350	Ex9CC80 21 3P 110V	1/6
48 V AC	80 A	100	2 NO + 1 NC	104361	Ex9CC80 21 3P 48V	1/6
42 V AC	80 A	100	2 NO + 1 NC	104360	Ex9CC80 21 3P 42V	1/6
36 V AC	80 A	100	2 NO + 1 NC	104356	Ex9CC80 21 3P 36V	1/6
24 V AC	80 A	100	2 NO + 1 NC	104355	Ex9CC80 21 3P 24V	1/6

Main terminals wiring diagram



Capacitor contactors Ex9CC

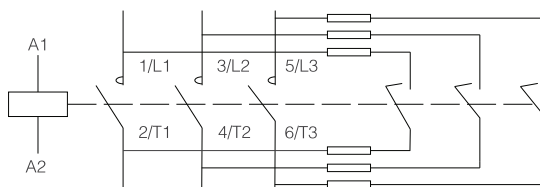
Rated current 100 A AC-6b, 3-pole

- For compensation up to 60 kvar at 400 V AC
- Mounting onto device DIN rail or onto panel
- Side-mounted auxiliary contacts AX43 can be used



Control voltage	AC-6b current	Frame size	Auxiliary contacts	Article No.	Type	Packing
415 V AC	100 A	100	1 NO + 2 NC	104371	Ex9CC100 12 3P 415V	1/6
400 V AC	100 A	100	1 NO + 2 NC	104370	Ex9CC100 12 3P 400V	1/6
380 V AC	100 A	100	1 NO + 2 NC	104369	Ex9CC100 12 3P 380V	1/6
240 V AC	100 A	100	1 NO + 2 NC	104366	Ex9CC100 12 3P 240V	1/6
230 V AC	100 A	100	1 NO + 2 NC	104365	Ex9CC100 12 3P 230V	1/6
220 V AC	100 A	100	1 NO + 2 NC	104364	Ex9CC100 12 3P 220V	1/6
127 V AC	100 A	100	1 NO + 2 NC	104363	Ex9CC100 12 3P 127V	1/6
110 V AC	100 A	100	1 NO + 2 NC	104362	Ex9CC100 12 3P 110V	1/6
48 V AC	100 A	100	1 NO + 2 NC	104373	Ex9CC100 12 3P 48V	1/6
42 V AC	100 A	100	1 NO + 2 NC	104372	Ex9CC100 12 3P 42V	1/6
36 V AC	100 A	100	1 NO + 2 NC	104368	Ex9CC100 12 3P 36V	1/6
24 V AC	100 A	100	1 NO + 2 NC	104367	Ex9CC100 12 3P 24V	1/6
415 V AC	100 A	100	2 NO + 1 NC	104383	Ex9CC100 21 3P 415V	1/6
400 V AC	100 A	100	2 NO + 1 NC	104382	Ex9CC100 21 3P 400V	1/6
380 V AC	100 A	100	2 NO + 1 NC	104381	Ex9CC100 21 3P 380V	1/6
240 V AC	100 A	100	2 NO + 1 NC	104378	Ex9CC100 21 3P 240V	1/6
230 V AC	100 A	100	2 NO + 1 NC	104377	Ex9CC100 21 3P 230V	1/6
220 V AC	100 A	100	2 NO + 1 NC	104376	Ex9CC100 21 3P 220V	1/6
127 V AC	100 A	100	2 NO + 1 NC	104375	Ex9CC100 21 3P 127V	1/6
110 V AC	100 A	100	2 NO + 1 NC	104374	Ex9CC100 21 3P 110V	1/6
48 V AC	100 A	100	2 NO + 1 NC	104385	Ex9CC100 21 3P 48V	1/6
42 V AC	100 A	100	2 NO + 1 NC	104384	Ex9CC100 21 3P 42V	1/6
36 V AC	100 A	100	2 NO + 1 NC	104380	Ex9CC100 21 3P 36V	1/6
24 V AC	100 A	100	2 NO + 1 NC	104379	Ex9CC100 21 3P 24V	1/6

Main terminals wiring diagram



Accessories for contactors



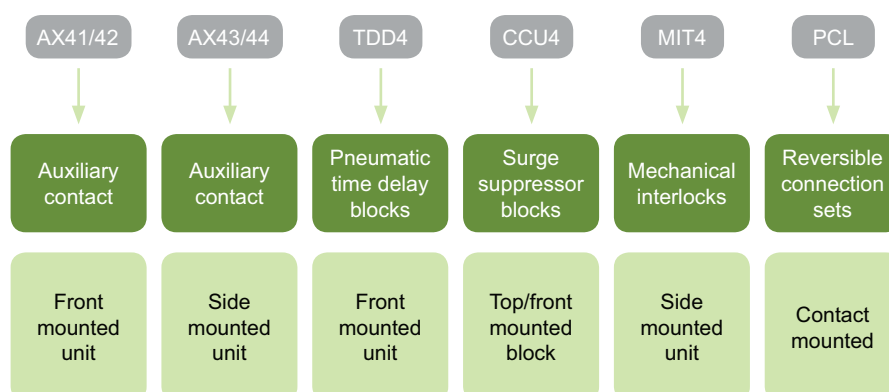
- Accessories for contactors of line Ex9CS, Ex9CSR, Ex9C, Ex9CR, Ex9Ci, Ex9C500 and Ex9CC
- Front-mounted auxiliary contacts AX41/42
- Side-mounted auxiliary contacts AX43/44
- Pneumatic time delay blocks TDD4
- Surge suppressor blocks CCU4
- Mechanical interlocks MIT4
- Connection set PCL for reversible combination

AX41 auxiliary contact units and CCU41 surge suppressor blocks are designed in order to match miniature version of contactors Ex9CS or Ex9CSR. Auxiliary contact units are available with four contacts with all possible contact combinations.

Contactors Ex9C line (Ex9C, Ex9Ci, Ex9CR) share accessories, i.e. available portfolio can be used for all sizes of contactors (except miniature ones). Every contactor can be equipped with one front-mounted unit (AX42 or TDD4), two units of side-mounted contact AX43/44 (one from the left, the other from the right) and surge suppressor block CCU42/43. Installation of an front-mounted unit does not affect a possibility to install overload thermal relay Ex9R.

Capacity contactors Ex9CC can be equipped with two units of side-mounted contact AX4311 (one from the left, the other from the right) and surge suppressor block CCU42/43.

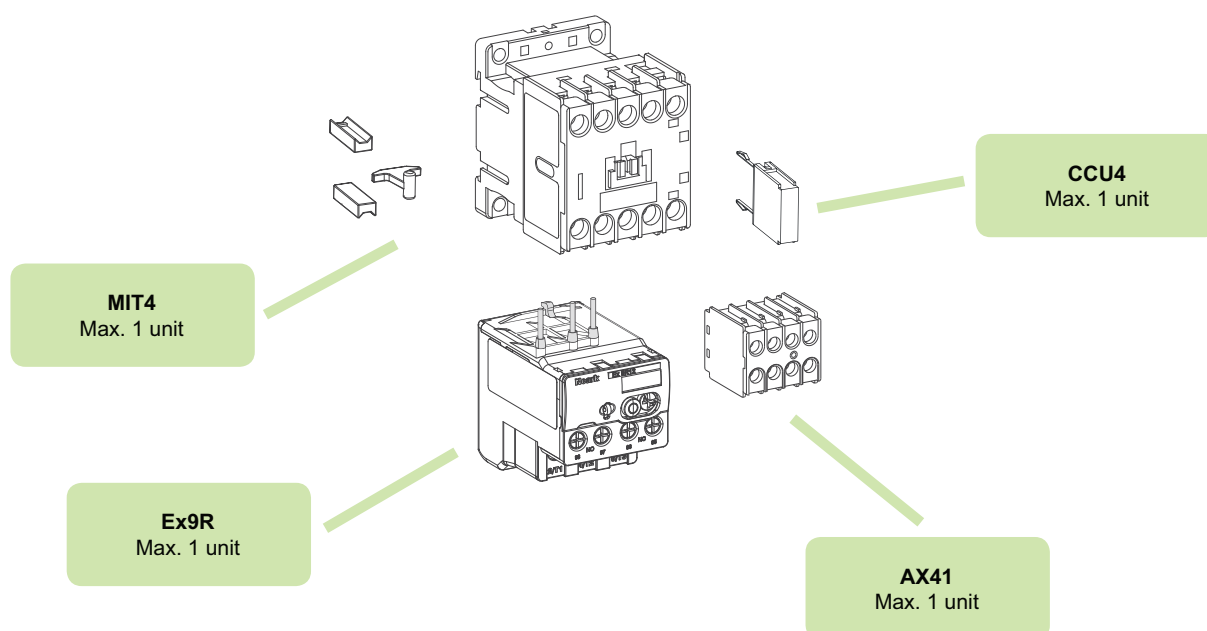
Type Key



Accessories for contactors

Miniature Contactors Ex9CS

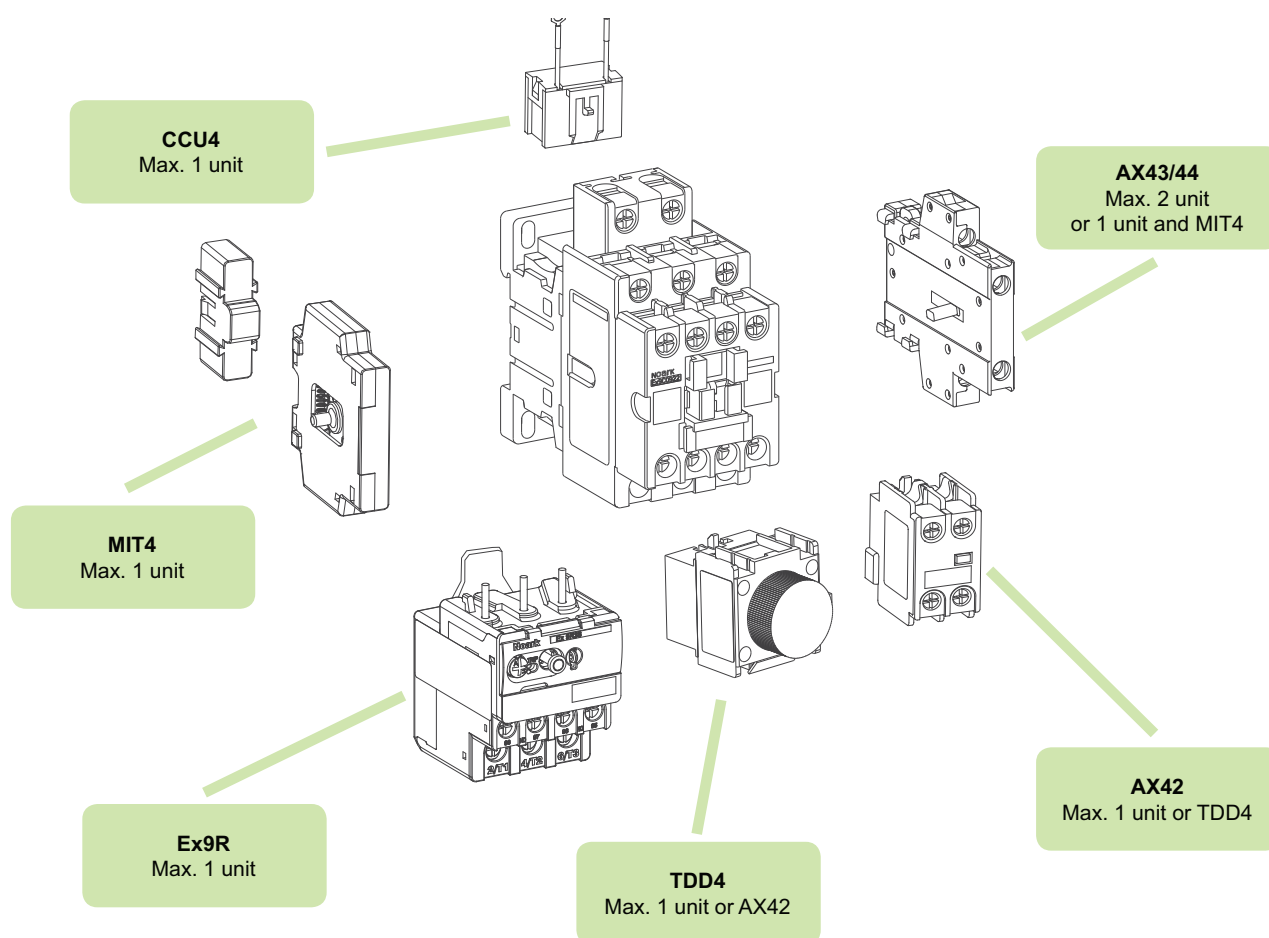
Miniature Reversible Contactors Ex9CSR



Accessories for contactors

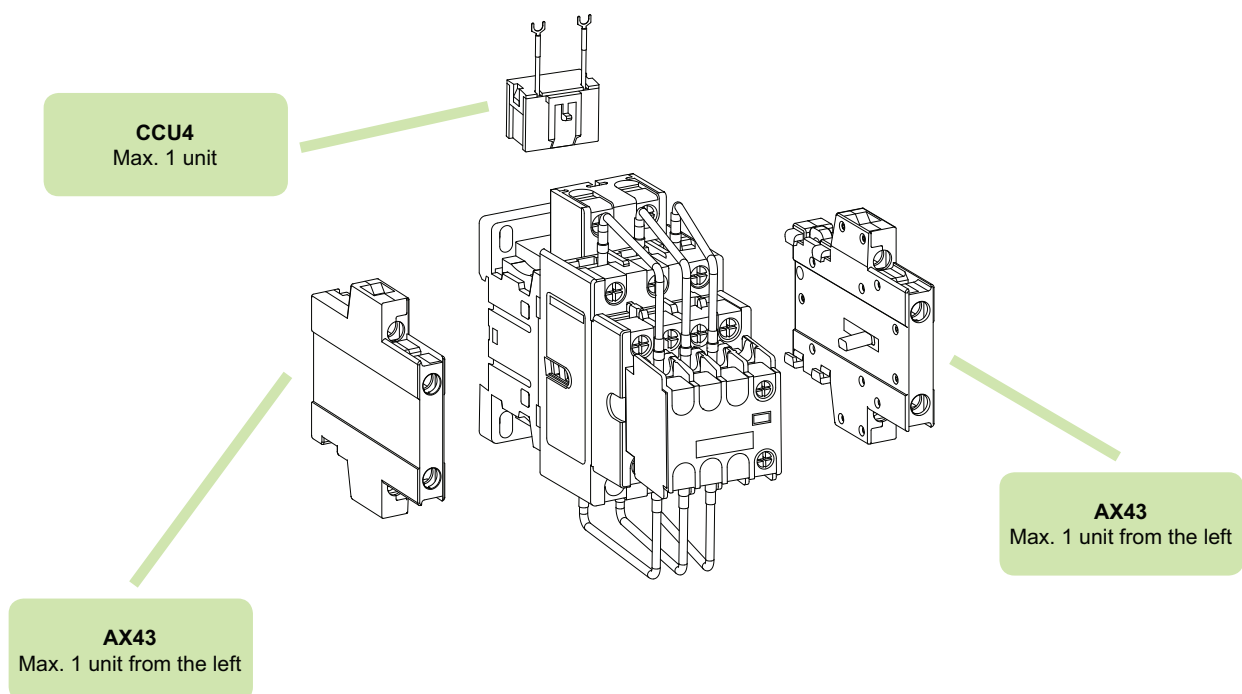
Contactors Ex9C, Ex9Ci, Ex9C500

Reversible contactors Ex9CR



Accessories for contactors

Capacitor Contactors Ex9CC



Accessories for contactors

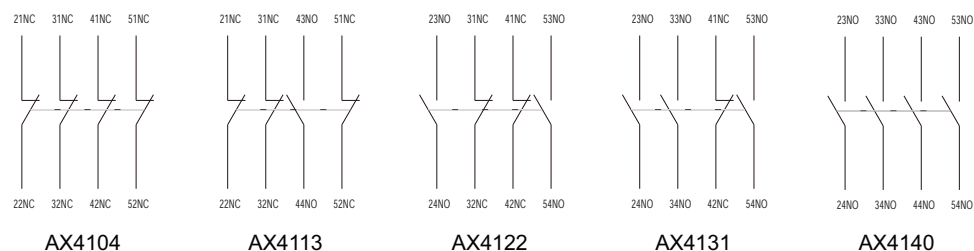
Auxiliary contacts for Ex9CS line miniature contactors, front-mounted

- Auxiliary contacts for miniature contactors line Ex9CS and Ex9CSR
- For subsequent mounting
- Front-mounted version
- 1 unit can be used with a contactor
- Do not limit a possibility to install overload thermal relays Ex9R12



Contacts	Suitable for	Article No.	Type	Packing
4 NC	Ex9CS, Ex9CSR	101435	AX4104	6/216
1 NO + 3 NC	Ex9CS, Ex9CSR	101280	AX4113	6/216
2 NO + 2 NC	Ex9CS, Ex9CSR	101281	AX4122	6/216
3 NO + 1 NC	Ex9CS, Ex9CSR	101282	AX4131	6/216
4 NO	Ex9CS, Ex9CSR	101283	AX4140	6/216

Wiring diagrams



Accessories for contactors

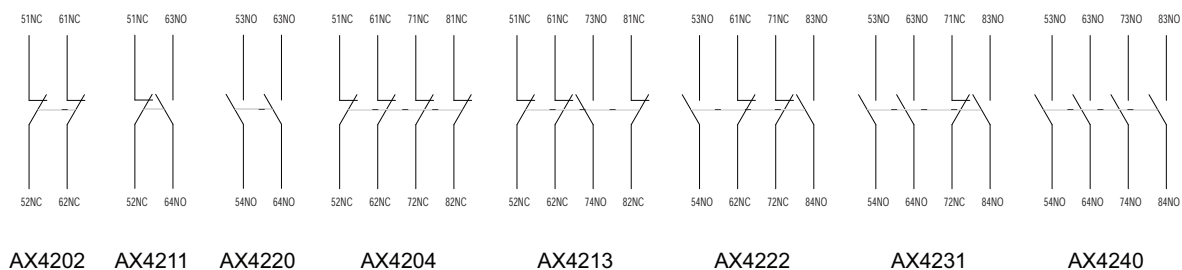
Auxiliary contacts for contactors, front-mounted

- Auxiliary contacts for contactors line Ex9C, Ex9Ci, Ex9CR up to 500 A
- For subsequent mounting
- Front-mounted version
- 1 unit or TDD4 unit can be used with a contactor
- Do not limit a possibility to install overload thermal relays Ex9R



Contacts	Suitable for	Article No.	Type	Packing
2 NC	Ex9C, Ex9Ci, Ex9CR	101284	AX4202	12/624
1 NO + 1 NC	Ex9C, Ex9Ci, Ex9CR	101285	AX4211	12/624
2 NO	Ex9C, Ex9Ci, Ex9CR	101286	AX4220	12/624
4 NC	Ex9C, Ex9Ci, Ex9CR	101287	AX4204	6/312
1 NO + 3 NC	Ex9C, Ex9Ci, Ex9CR	101288	AX4213	6/312
2 NO + 2 NC	Ex9C, Ex9Ci, Ex9CR	101289	AX4222	6/312
3 NO + 1 NC	Ex9C, Ex9Ci, Ex9CR	101290	AX4231	6/312
4 NO	Ex9C, Ex9Ci, Ex9CR	101291	AX4240	6/312

Wiring diagrams



Technical data p. 184

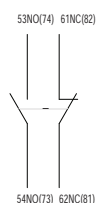
Auxiliary contacts for Ex9C line contactors, side-mounted

- Auxiliary contacts for contactors line Ex9C, Ex9Ci, Ex9CR up to 100 A
- For subsequent mounting
- Side-mounted version
- 1 unit can be used with a contactor at the left, another unit at the right
- Do not limit a possibility to install front mounted auxiliary contacts AX42/TDD4 or overload thermal relays Ex9R



Contacts	Suitable for	Article No.	Type	Packing
1 NO + 1 NC	Ex9C, Ex9Ci, Ex9CR	101292	AX4311	10/120

Wiring diagram



AX4311

Technical data p. 186

Accessories for contactors

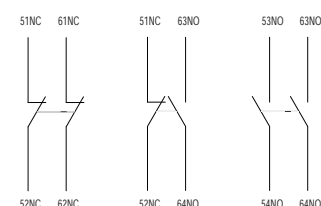
Auxiliary contacts for C500 line contactors, side-mounted

- Auxiliary contacts for contactors line Ex9C115-500
- For subsequent mounting
- Side-mounted version
- 1 unit can be used with a contactor at the left, another unit at the right side
- Do not limit a possibility to install front-mounted auxiliary contacts AX42 or overload thermal relays Ex9R185, Ex9R500



Contacts	Suitable for	Article No.	Type	Packing
1 NO + 1 NC	Ex9C115-500	106322	AX4411	1/12/144
2 NO	Ex9C115-500	107958	AX4420	1/12/144
2 NC	Ex9C115-500	107957	AX4402	1/12/144

Wiring diagrams



AX4402 AX4411 AX4420

Technical data p. 188

Mechanical interlocks for Ex9C line contactors, side-mounted

- Mechanical interlock set for connecting of two contactors line Ex9C allows that only one contactor is switched at a given moment
- For subsequent mounting
- 1 unit can be used together with two contactors of the same frame size
- Limit using of side-mounted auxiliary contact unit AX43/44, do not limit a possibility to install front-mounted auxiliary contacts AX42 or overload thermal relays Ex9R



Description	Suitable for	Article No.	Type	Packing
Mechanical interlock	Ex9CS	107959	MIT41	1 set
Mechanical interlock	Ex9C09-38	107960	MIT42	1 set
Mechanical interlock	Ex9C40-100	107961	MIT43	1 set
Mechanical interlock	Ex9C115-185	107962	MIT44	1 set
Mechanical interlock	Ex9C225-300	107963	MIT45	1 set
Mechanical interlock	Ex9C400-500	107964	MIT46	1 set

Connection sets for reversible combination of Ex9C line contactors

- Connection set for reversible combination of two contactors line Ex9C115-500
- For subsequent mounting
- 1 unit can be used together with two contactors of the same frame size
- Do not limit a possibility to install front-mounted auxiliary contacts AX42 or overload thermal relays Ex9R



Description	Suitable for	Article No.	Type	Packing
Connection set	Ex9C115-185	107965	PCL185	1 set
Connection set	Ex9C225-300	107966	PCL300	1 set
Connection set	Ex9C400-500	107967	PCL500	1 set

Accessories for contactors

Pneumatic time delay blocks

- For delayed closing or delayed opening of internal 1 NO + 1 NC auxiliary contacts
- Suitable for contactors of Ex9C, Ex9Ci, Ex9CR up to 500 A
- For subsequent mounting
- Front mounted
- 1 unit or AX42 unit can be used with a contactor
- Do not limit a possibility to install overload thermal relays Ex9R



Delay type	Delay range	Article No.	Type	Packing
ON delay	0.1 - 3 s	104494	TDD41A	1/72
ON delay	0.1 - 30 s	104493	TDD41B	1/72
ON delay	10 - 180 s	104492	TDD41C	1/72
OFF delay	0.1 - 3 s	104491	TDD42A	1/72
OFF delay	0.1 - 30 s	104490	TDD42B	1/72
OFF delay	10 - 180 s	104489	TDD42C	1/72

Technical data p. 190

Surge suppressor blocks

- Reduces voltage peaks in control circuit
- Versions with varistor (CCU 41) and RC circuit technology (CCU 42, CCU 43)
- Includes cable lugs for connecting to contactor terminals
- For subsequent mounting
- Front/top mounted
- 1 unit unit can be used with a contactor
- Do not limit a possibility to install front mounted auxiliary contacts AX42/TDD4 or overload thermal relays Ex9R



Protection range	Suitable for	Article No.	Type	Packing
380-415 V	Ex9CS06-12	104502	CCU41 415	1/10
110-240 V	Ex9CS06-12	104503	CCU41 240	1/10
24-48 V	Ex9CS06-12	104501	CCU41 48	1/10
380-415 V	Ex9C09-38, Ex9CC09-38	104499	CCU42 415	1/10
110-240 V	Ex9C09-38, Ex9CC09-38	104500	CCU42 240	1/10
24-48 V	Ex9C09-38, Ex9CC09-38	104498	CCU42 48	1/10
380-415 V	Ex9C40-100, Ex9CC50-100	104496	CCU43 415	1/4
110-240 V	Ex9C40-100, Ex9CC50-100	104497	CCU43 240	1/4
24-48 V	Ex9C40-100, Ex9CC50-100	104495	CCU43 48	1/4

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Accessories for contactors

Spare control coils for Ex9C500 line contactors

- Spare control coils for contactors line Ex9C115-500
- Replaces the coil supplied in contactor
- Including holder
- Packed separately



Description	Suitable for	Control voltage	Article No.	Type	Packing
Spare control coil	Ex9C185	415 V AC/DC	107986	ECC44 415V AC/DC	1
Spare control coil	Ex9C185	400 V AC/DC	107985	ECC44 400V AC/DC	1
Spare control coil	Ex9C185	380 V AC/DC	107984	ECC44 380V AC/DC	1
Spare control coil	Ex9C185	240 V AC/DC	107983	ECC44 240V AC/DC	1
Spare control coil	Ex9C185	230 V AC/DC	107982	ECC44 230V AC/DC	1
Spare control coil	Ex9C185	220 V AC/DC	107981	ECC44 220V AC/DC	1
Spare control coil	Ex9C185	127 V AC/DC	107980	ECC44 127V AC/DC	1
Spare control coil	Ex9C185	110 V AC/DC	107979	ECC44 110V AC/DC	1
Spare control coil	Ex9C185	48 V AC/DC	107978	ECC44 48V AC/DC	1
Spare control coil	Ex9C185	42 V AC/DC	107977	ECC44 42V AC/DC	1
Spare control coil	Ex9C185	36 V AC/DC	107976	ECC44 36V AC/DC	1
Spare control coil	Ex9C185	24 V AC/DC	107975	ECC44 24V AC/DC	1
Spare control coil	Ex9C300	415 V AC/DC	107998	ECC45 415V AC/DC	1
Spare control coil	Ex9C300	400 V AC/DC	107997	ECC45 400V AC/DC	1
Spare control coil	Ex9C300	380 V AC/DC	107996	ECC45 380V AC/DC	1
Spare control coil	Ex9C300	240 V AC/DC	107995	ECC45 240V AC/DC	1
Spare control coil	Ex9C300	230 V AC/DC	107994	ECC45 230V AC/DC	1
Spare control coil	Ex9C300	220 V AC/DC	107993	ECC45 220V AC/DC	1
Spare control coil	Ex9C300	127 V AC/DC	107992	ECC45 127V AC/DC	1
Spare control coil	Ex9C300	110 V AC/DC	107991	ECC45 110V AC/DC	1
Spare control coil	Ex9C300	48 V AC/DC	107990	ECC45 48V AC/DC	1
Spare control coil	Ex9C300	42 V AC/DC	107989	ECC45 42V AC/DC	1
Spare control coil	Ex9C300	36 V AC/DC	107988	ECC45 36V AC/DC	1
Spare control coil	Ex9C300	24 V AC/DC	107987	ECC45 24V AC/DC	1
Spare control coil	Ex9C500	415 V AC/DC	108010	ECC46 415V AC/DC	1
Spare control coil	Ex9C500	400 V AC/DC	108009	ECC46 400V AC/DC	1
Spare control coil	Ex9C500	380 V AC/DC	108008	ECC46 380V AC/DC	1
Spare control coil	Ex9C500	240 V AC/DC	108007	ECC46 240V AC/DC	1
Spare control coil	Ex9C500	230 V AC/DC	108006	ECC46 230V AC/DC	1
Spare control coil	Ex9C500	220 V AC/DC	108005	ECC46 220V AC/DC	1
Spare control coil	Ex9C500	127 V AC/DC	108004	ECC46 127V AC/DC	1
Spare control coil	Ex9C500	110 V AC/DC	108003	ECC46 110V AC/DC	1
Spare control coil	Ex9C500	48 V AC/DC	108002	ECC46 48V AC/DC	1
Spare control coil	Ex9C500	42 V AC/DC	108001	ECC46 42V AC/DC	1
Spare control coil	Ex9C500	36 V AC/DC	108000	ECC46 36V AC/DC	1
Spare control coil	Ex9C500	24 V AC/DC	107999	ECC46 24V AC/DC	1

Overload thermal relays Ex9R



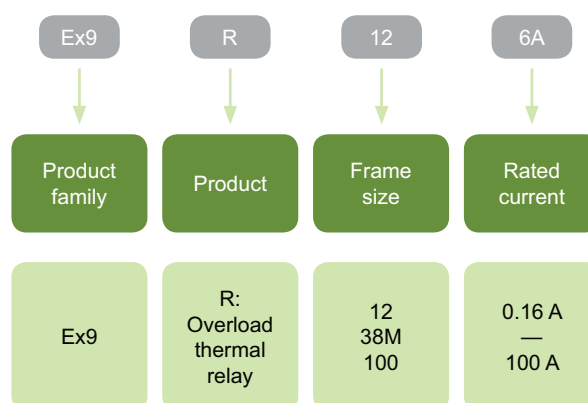
- Overload thermal relays according to IEC / EN 60947-4-1
- Three frame sizes with rated current up to 100 A at 690 V AC-3
- 3-pole versions
- Tripping class 10A
- For direct mounting onto Ex9C(S/i) contactors series or as a stand-alone device
- Suitable mainly for motor protection against overload or phase lost
- Mounting onto connected contactor or onto device rail (DIN) 35 mm by means of AD5. adaptor

Ex9R overload thermal relays contactors are designed for protection of motors mainly. These relays can be either combined directly with contactors of Ex9CS and Ex9C(i) series or used as a stand-alone device with AD5. adaptor. Relays are available in three frame sizes for rated non-reduced currents from 0.16 — 100 A.

Size Ex9R12 is designed to match miniature contactors Ex9CS. Version Ex9R38M can be mounted onto contactors Ex9C18(i) and with spacer (in the scope of delivery of the relay) also with size Ex9C38(i). The last size Ex9R100 can be combined with Ex9C65(i) and Ex9C100(i) directly.

Ex9R relays are equipped with 1 NO and 1 NC auxiliary contacts.

Type Key



Certification marks



Overload thermal relays Ex9R

Design



Ex9R12
Frame size 12



Ex9R38M
Frame size 38



Ex9R100
Frame size 100

Mounting



Direct mounting
onto contactor



Adaptor AD5.



Stand-alone device
with adaptor AD5.

Overload thermal relays Ex9R

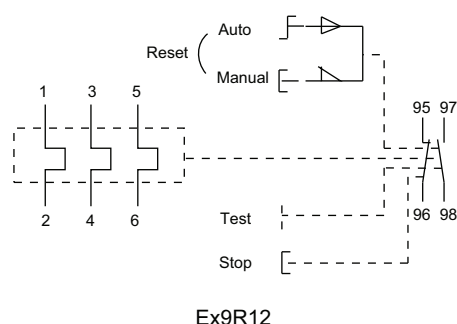
Frame size 12

- Overload thermal relays
- For direct mounting onto Miniature Contactors Ex9CS
- Stand-alone device for mounting onto device (DIN) rail 35 mm by means of combination with adaptor AD51
- Automatic and manual reset function
- Tripping class 10A



Current setting range I_n	For contactor frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
0.1 - 0.16 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101359	Ex9R12 0.16A	1/80
0.16 - 0.25 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101360	Ex9R12 0.25A	1/80
0.25 - 0.4 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101361	Ex9R12 0.4A	1/80
0.4 - 0.63 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101362	Ex9R12 0.63A	1/80
0.63 - 1 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101363	Ex9R12 1A	1/80
1 - 1.6 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101364	Ex9R12 1.6A	1/80
1.6 - 2.5 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101365	Ex9R12 2.5A	1/80
2.5 - 4 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101366	Ex9R12 4A	1/80
4 - 6 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101367	Ex9R12 6A	1/80
5.5 - 8 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101368	Ex9R12 8A	1/80
7 - 10 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101369	Ex9R12 10A	1/80
9 - 12 A	Mini (S06, S09, S12)	3	1 NO + 1 NC	101370	Ex9R12 12A	1/80

Wiring diagram



Overload thermal relays Ex9R

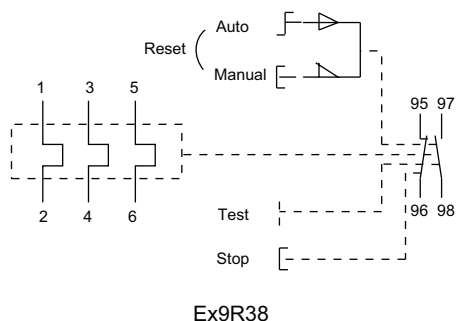
Frame size 38

- Overload thermal relays
- For direct mounting onto Contactors Ex9C18(i) and Ex9C38(i) (with included spacer)
- Stand-alone device for mounting onto device (DIN) rail 35 mm by means of combination with adaptor AD52
- Automatic and manual reset function
- Tripping class 10A



Current setting range I_n	For contactor frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
2.5 - 4 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101371	Ex9R38M 4A	1/80
4 - 6 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101372	Ex9R38M 6A	1/80
5.5 - 8 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101373	Ex9R38M 8A	1/80
7 - 10 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101374	Ex9R38M 10A	1/80
9 - 13 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101375	Ex9R38M 13A	1/80
12 - 18 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101376	Ex9R38M 18A	1/80
16 - 24 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101377	Ex9R38M 24A	1/80
23 - 32 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101378	Ex9R38M 32A	1/80
30 - 38 A	18 (09, 12, 18), 38 (25, 32, 38)	3	1 NO + 1 NC	101379	Ex9R38M 38A	1/80

Wiring diagram



Overload thermal relays Ex9R

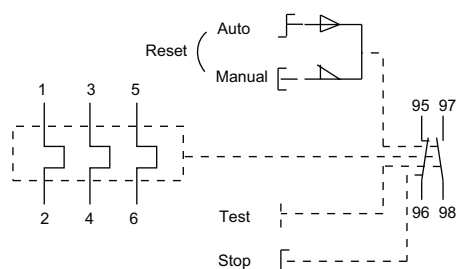
Frame size 100

- Overload thermal relays
- For direct mounting onto Contactors Ex9C65(i) and Ex9C100(i) (with included spacer)
- Stand-alone device for mounting onto device (DIN) rail 35 mm by means of combination with adaptor AD53
- Automatic and manual reset function
- Tripping class 10A



Current setting range I_n	For contactor frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
23 - 32 A	65 (40, 50, 65), 100 (80, 100)	3	1 NO + 1 NC	101380	Ex9R100 32A	1/24
30 - 40 A	65 (40, 50, 65), 100 (80, 100)	3	1 NO + 1 NC	101381	Ex9R100 40A	1/24
37 - 50 A	65 (40, 50, 65), 100 (80, 100)	3	1 NO + 1 NC	101382	Ex9R100 50A	1/24
48 - 65 A	65 (40, 50, 65), 100 (80, 100)	3	1 NO + 1 NC	101383	Ex9R100 65A	1/24
55 - 70 A	65 (40, 50, 65), 100 (80, 100)	3	1 NO + 1 NC	101384	Ex9R100 70A	1/24
63 - 80 A	65 (40, 50, 65), 100 (80, 100)	3	1 NO + 1 NC	101385	Ex9R100 80A	1/24
80 - 100 A	65 (40, 50, 65), 100 (80, 100)	3	1 NO + 1 NC	101386	Ex9R100 100A	1/24

Wiring diagram



Ex9R100

Overload thermal relays Ex9R up to 500 A



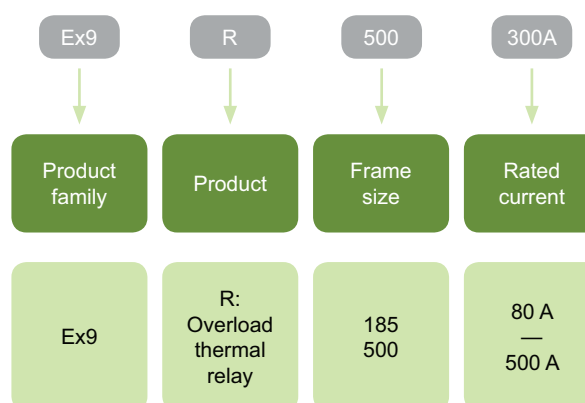
- Overload thermal relays according to IEC / EN 60947-4-1
- Two frame sizes with rated current up to 500 A at 690 V AC-3
- 3-pole versions
- Tripping class 10A
- For direct mounting onto Ex9C contactors or as a stand-alone device with AD adaptor
- Suitable mainly for motor protection against overload or phase lost

Ex9R overload thermal relays contactors are designed for protection of motors mainly. These relays can be either combined directly with contactors of Ex9C115-500 series or used as a stand-alone device with AD5 adaptor. Relays are available in two frame sizes for rated non-reduced currents from 80 — 500 A.

Size Ex9R185 is designed to match contactors of frame size 185 (Ex9C115-185). Version Ex9R500 can be mounted onto contactors of 300 (Ex9C225-300) frame size and also with size 500 (Ex9C400-500).

Ex9R relays are equipped with 1 NO and 1 NC auxiliary contacts as the standard.

Type Key



Certification marks



Overload thermal relays Ex9R up to 500 A

Design



Ex9R185
Frame size 185



Ex9R500
Frame size 500

Mounting



Direct mounting
onto Ex9C contactor



Stand-alone device
with adaptor AD5.

Overload thermal relays Ex9R up to 500 A

Frame size 185

- Overload thermal relays
- For direct mounting onto Ex9C115-185 contactors
- Stand-alone device for mounting onto panel by means of combination with adaptor AD54
- Automatic and manual reset function
- Tripping class 10A



Current setting range I_r	For contactors of frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
80 - 115 A	185 (115, 165, 185)	3P	1 NO + 1 NC	106326	Ex9R185 115A	1/8
110 - 150 A	185 (115, 165, 185)	3P	1 NO + 1 NC	106327	Ex9R185 150A	1/8
140 - 185 A	185 (115, 165, 185)	3P	1 NO + 1 NC	106328	Ex9R185 185A	1/8

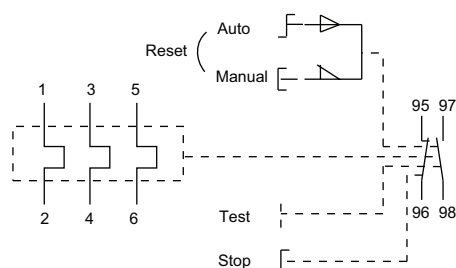
Frame size 500

- Overload thermal relays
- For direct mounting onto Ex9C225-500 contactors
- Stand-alone device for mounting onto panel by means of combination with adaptor AD55
- Automatic and manual reset function
- Tripping class 10A

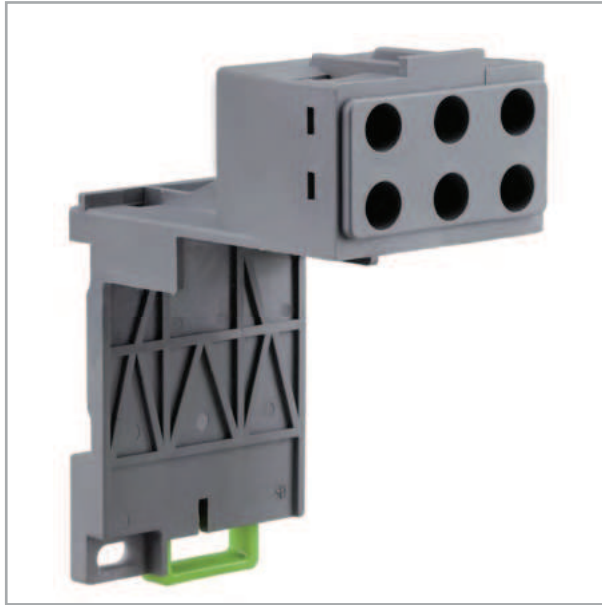


Current setting range I_r	For contactors of frame size	Poles	Auxiliary contacts	Article No.	Type	Packing
160 - 225 A	300 (225, 265, 300) 500 (400, 500)	3P	1 NO + 1 NC	106329	Ex9R500 225A	1/8
210 - 300 A	300 (225, 265, 300) 500 (400, 500)	3P	1 NO + 1 NC	106330	Ex9R500 300A	1/8
280 - 400 A	300 (225, 265, 300) 500 (400, 500)	3P	1 NO + 1 NC	106331	Ex9R500 400A	1/8
380 - 500 A	300 (225, 265, 300) 500 (400, 500)	3P	1 NO + 1 NC	106332	Ex9R500 500A	1/8

Wiring diagram



Accessories for overload thermal relays

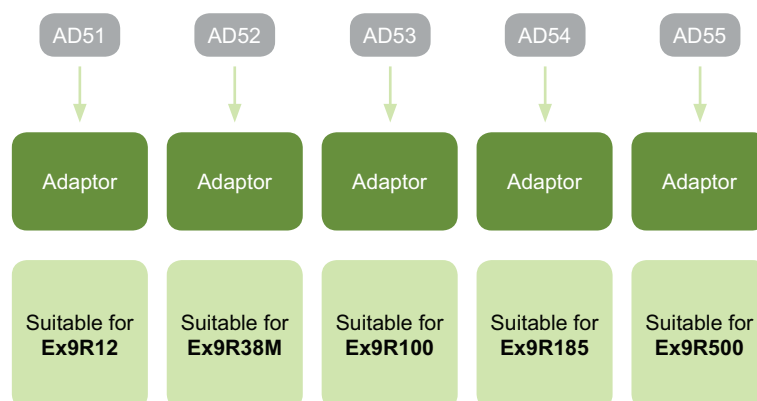


- Accessories for Overload thermal relays Ex9R
- Adaptors for stand-alone applications of the relays
- Enable mounting of the overload relay onto 35 mm device rail or panel
- Equipped with a set of terminals for wire connection of the relay at both sides

AD5. adaptors are designed in order to allow a use of overload thermal relays Ex9R separately without a contactor of Ex9C(S) series.

Adaptor AD51 fits to overload thermal relays Ex9R12. For relays Ex9R38M, the adaptor AD52 is intended. Overload thermal relays type Ex9R100 can be combined with AD53, the size R185 with AD54 and the biggest type size R500 with AD55 adaptor.

Type Key



Accessories for overload thermal relays

Mounting



Ex9R
Basic relay



AD5
Adaptor



Ex9R + AD5
For stand-alone
applications

Accessories for overload thermal relays

Adaptors for stand-alone applications of Ex9R relays up to 100 A

- Enable use of overload relay separately without a contactor
- For direct mounting onto 35 mm device rail



Description	Suitable for	Article No.	Type	Packing
Adaptor	Ex9R12	101436	AD51	2/72
Adaptor	Ex9R38M	101437	AD52	2/72
Adaptor	Ex9R100	101438	AD53	2/24

Adaptors for stand-alone applications of Ex9R185/500 relays

- Enable use of overload relay separately without a contactor
- For direct mounting onto panel with screws



Description	Suitable for	Article No.	Type	Packing
Adaptor	Ex9R185	107968	AD54	1/12
Adaptor	Ex9R500	107969	AD55	1/12

