

N.O. / N.C. main poles combination NOR contactors



Description

NOR contactors are built with a combination of N.O. and N.C. poles:

- AC switching: NOR..MT up to 690 V AC
 - DC switching: NOR..CC up to 1500 V DC in standard.
 - For low current breaking, permanent magnet must be added.
- 2 NO + 2 NC auxiliary contacts are fitted as standard. For additional auxiliary contacts refer to “Auxiliary contact fitting details.”

Example of use :

Change-over contactor with 2 N.C. poles + 2 N.O. poles.

Block diagrams

These contactors are suitable for controlling 2 separate circuits, i.e. 2 loads with 2 separate supplies, or 1 circuit including 2 separate loads with a single supply (diagrams on left column). When the contactor operates there is no mechanical overlapping between the N.O. poles and the N.C. poles: BREAK before MAKE operation.

These contactors are not suitable for a reversing starter or star-delta starter, or for controlling a single load from 2 separate supplies.



Operation

The N.O. and N.C. poles are set-up without any mechanical overlap:

- as the electro-magnet closes, the N.C. pole(s) BREAK before the N.O. pole(s) MAKE
- as the electro-magnet opens, the N.O. pole(s) BREAK before the N.C. pole(s) MAKE.

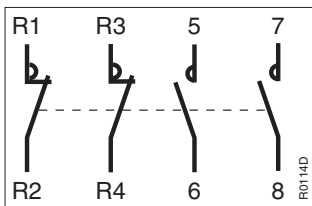
The breaking and making capacities of the N.C. poles are identical to those of the N.O. poles.

Other variants

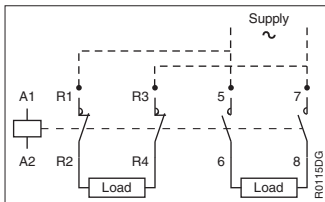
Please consult us for :

- NOR..AMA and NOR..AME with latching
- JOR types: version with overlapping between N.O. and N.C. main poles.

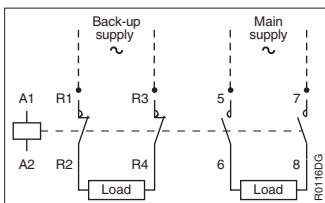
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2 N.C. poles + 2 N.O. poles



Single supply and 2 separate loads



2 separate supplies and 2 separate loads

NORR, NORE, NORR..CC and NORE..CC contactors

Power circuit up to 1500 V DC

Control circuit 120V 50/60 Hz



NORR125-02-CC

Description

NORR..CC and NORE..CC contactors with N.O. and N.C. main poles are used for controlling DC power circuits up to 1500 V DC. NORR and NORE400 up to 440 V DC.

These contactors are designed with:

- variable number of poles according to the application
- control circuit: AC or DC operated
- 2 NO + 2 NC auxiliary contacts available, as standard.

AC operated

IEC		Rated operational current		voltage (3)		Number of poles (4)		Rated control circuit voltage U _c (1)	Auxiliary contacts fitted (2)	Type	Order code	Weight
A	A	DC-1	DC-3 DC-5	V DC	V DC			V 50/60 Hz				pkg (1 pce)
63	63			-	500	0	1	120V	2 2	NORR63-01-CC	FPL7146116R2113	3.2
				-	1000	0	2		2 2	NORR63-02-CC	FPL7146216R2113	4.2
				1000	500	2	1		2 2	NORR63-21-CC	FPL7146516R2113	3.9
				1000	500	3	1		2 2	NORR63-31-CC	FPL7146716R2113	4.9
125	125			-	500	0	1	120V	2 2	NORR125-01-CC	FPL7446115R2113	4.2
				-	1000	0	2		2 2	NORR125-02-CC	FPL7446215R2113	6.2
				1000	500	2	1		2 2	NORR125-21-CC	FPL7446515R2113	8.2
				1000	500	3	1		2 2	NORR125-31-CC	FPL7446715R2113	9
200	200			-	500	0	1	120V	2 2	NORR200-01-CC	FPL7646115R2113	6.6
				-	1000	0	2		2 2	NORR200-02-CC	FPL7646215R2113	9.6
				1000	500	2	1		2 2	NORR200-21-CC	FPL7646515R2113	10
				1000	500	3	1		2 2	NORR200-31-CC	FPL7646715R2113	12.2
315	315			-	220	0	1	120V	2 2	NORR400-01	FPL9445115R2113	9
				-	440	0	2		2 2	NORR400-02	FPL9445215R2113	12
				440	220	2	1		2 2	NORR400-21	FPL9445515R2113	15
				440	220	3	1		2 2	NORR400-31	FPL9445715R2113	18
800	720			-	500	0	1	120V	2 2	NORR800-01-CC	FPL8646115R2113	28.6
				-	1000	0	2		2 2	NORR800-02-CC	FPL8646215R2113	40
				1000	500	2	1		2 2	NORR800-21-CC	FPL8646515R2113	51
				1500	500	3	1		2 2	NORR800-31-CC	FPL8646715R2113	62

(1) Other control voltages, please consult us.

(2) Other auxiliary contact arrangements, please consult us.

(3) Please consult us for power circuit above:

- 1000 V DC for ratings 63...500 A
- 1500 V DC for ratings 800 A.

(4) Other main pole combinations, please consult us.