

calculation of the number of load points for coil CM 16 R / 18

Depending on the type of your magnetic circuit (CM 16 R ou CM 18), to determine the corresponding coil, you have to calculate the number of load points for the different items constituting the contactor, and then to refer to the coil chart.

example: to determine a coil for an operating voltage of 220 V - 50 Hz
CBA 75 630 tripolar equipped with:

- one delayed block TP 86 A		22
- one F201-Y auxiliary contact		9
- one mechanical latching		4
- three arc-blowout poles 630 A	75 x 3	225
Total of load points:		260

As we have $121 < 260 < 315$ so coil reference is: 95 298
economy resistor reference is: 93 032
rectifier bridge reference is: 92 500

mechanical latching with electrical release	code	designation	number of load points
	90 353	mechanical latching with electrical release	4
	92 200	mechanical latching with double electrical release	4

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auxiliary contact	code	designation	number of load points
	90 502	M2 block O2-Z	2
	90 503	M2 block O2-Y	2
	90 504	M2 block F2-Z	8
	90 505	M2 block F2-Y	8
	90 506	M2 block F101-Z	5
	90 507	M2 block F101-Y	5
	90 508	M2 block F101-X	5
	90 509	M2 block F101-W	5
	90 510	M3 block O3-Z	3
	90 511	M3 block O3-Y	3
	90 512	M3 block F3-Z	12
	90 513	M3 block F3-Y	12
	90 514	M3 block F102-Z	6
	90 515	M3 block F102-Y	6
	90 516	M3 block F102-X	6
	90 517	M3 block F102-W	6
	90 518	M3 block F201-Z	9
	90 519	M3 block F201-Y	9
	90 520	M3 block F201-X	9
	90 521	M3 block F201-W	9

delayed block	code	designation	number of load points
	94 229	delayed block TP 86 A	22
	94 237	delayed block TP 86 C	22

main pole	code	designation	number of load points
	90 068	arc-blowout pole CBA 400	34
	90 070	arc-blowout pole CBFC 400	34
	90 074	arc-blowout pole CBA 500	75
	90 075	arc-blowout pole CBFC 500	75
	90 077	arc-blowout pole CBA 630	75
	90 078	arc-blowout pole CBFC 630	75
	90 080	arc-blowout pole CBA 800	162
	90 081	arc-blowout pole CBFC 800	162
	90 083	arc-blowout pole CBA 1000	162
	90 084	arc-blowout pole CBFC 1000	162

rupturing pole	code	designation	number of load points
	90 065	rupturing pole CBA 400	120
	90 067	rupturing pole CBFC 400	120
	90 071	rupturing pole CBA 500/630	165
	90 072	rupturing pole CBFC 500/630	165
	94 153	arc-blowout auxiliary rupturing pole	8