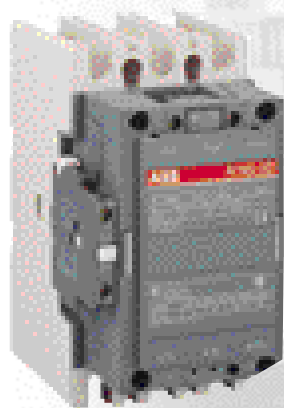


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A., AF., 3-pole Contactors

a.c. Circuit Switching

Switching of 3-phase Cage Motors

AC-3 utilization category

When making, the motor current is about $6 \times I_n$.
Breaking while the motor is running at I_n motor F.L.C.

AC-3	Power rating	≤ 55 °C, 400 V
AC-3	Rated operational current	≤ 55 °C, 400 V ≤ 55 °C, 415 V ≤ 55 °C, 690 V

	A9	A12	A16	A26	A30	A40
kW	4	5.5	7.5	11	15	18.5
A	9	12	17	26	32	37
A	9	12	17	26	32	37
A	7	9	10	17	21	25

Switching of Resistive Circuits

AC-1 utilization category

When making, the switched-on current is equal to the I_n load rated current with $\cos \varphi \geq 0.95$.

AC-1	Rated operational current	≤ 40 °C ≤ 55 °C ≤ 70 °C
	With conductor cross-sectional area	mm ²
	Rated operational voltage	V

A	25	27	30	45	55	60
A	22	25	27	40	55	60
A	18	20	23	32	39	42
mm ²	2.5	4	4	6	10	16
V	690					

3-pole contactors

Selection & Ordering

- Select contactor type.
- Select contactor coil voltage on cover folding page 0/1, according to control circuit supply. (Please quote coil voltage in plain text).

	a.c.	Control circuit supply	Types	A9-30-10 A12-30-10 A16-30-10	A26-30-10 A30-30-10 A40-30-10
	a.c. & d.c.	Control circuit supply (Electronic coil interface)	Types	-	-
	d.c.	Control circuit supply	Types	AE9-30-00 AE12-30-00 AE16-30-00	AE26-30-00 AE30-30-00 AE40-30-00

Contactor Main Accessories

Selection & Ordering

- Select accessory type and quote required data in plain text.

Auxiliary contacts		CA 5-..., 1-pole CAL 5-..., 2-pole	Types	CA 5-10 1-pole, front mounting CA 5-01 1-pole, front
Timers		TP..., Pneumatic TE..., Electronic Supply voltages: 24 V a.c./d.c., 110 ... 120; 220 ... 240; 380 ... 440 V a.c.	Types	TP 40 DA, TP 180 DA Direct timing - Front mounting TP 40 TE5S Direct timing - Inde
Interlocks		VE 5-., Mechanical / Electrical VM..., Mechanical mounting between 2 contactors	Types	VE 5-1 VM 5-1
Surge suppressors		RV..., (Varistor) a.c./d.c. RC..., (Capacitor) a.c.	Types	RV 5 RC 5-1

Protection of 3-phase motors

Selection & Ordering

- Select O/L relay type and setting range according to motor F.L.C.

O/L relays		TA..DU.., Thermal O/L relay	Types & setting range in Amps	TA 25 DU				TA 42 DU...	
		0.10...0.16		1.0...1.4	3.5...5.0	13...19	22...32		
		0.16...0.25		1.3...1.8	4.5...6.5	18...25	29...42		
		E..DU.., Electronic O/L relay		0.25...0.40	1.7...2.4	6.0...8.5	24...32		
		Standard starting time 2 ... 10 s		0.40...0.63	2.2...3.1	7.5...11			
		tripping class 10 A		0.63...1.0	2.8...4.0	10...14			
Please consult us for electronic solution									

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