

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	$\leq 55^\circ\text{C}, 400\text{ V}$
AC-3 Rated operational current	$\leq 55^\circ\text{C}, 400\text{ V}$ $\leq 55^\circ\text{C}, 415\text{ V}$ $\leq 55^\circ\text{C}, 690\text{ V}$

	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	$\leq 40^\circ\text{C}$ $\leq 55^\circ\text{C}$ $\leq 70^\circ\text{C}$
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 mounting
---------	------------------------	---------	------------------------

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 - Ind...
--	-----------------------------------

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
E..DU..., Electronic O/L relay
Standard starting time 2 ... 10 s
tripping class 10 A

Types

& setting range in Amps

TA 25 DL				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	
0.25...0.40	1.7...2.4	6.0...8.5	24...32		
0.40...0.63	2.2...3.1	7.5...11			
0.63...1.0	2.8...4.0	10...14			

Please consult us for electronic solution

[Return to main index](#)