Contents

3 Pole Contactors..... 2-2

4 Pole Contactors..... 2-20

Mini Contactors..... 2-37

Manual Motor Starters 2-42

Field Bus Plugs..... 2-49

Softstarters..... 2-54

Pilot Devices..... 2-58

Switching Power Supplies (CP Range) 2-72

Return to main index

A.., AF.., 3-pole Contactors

a.c. Circuit Switching

			A9	A12	A16	A26	A30	A40
Switching of 3-phase Cage Motors								
AC-3 utilization category When making, the motor current is about 6 x I_n. Breaking while the motor is running at I_n motor F.L.C.	AC-3	Power rating ≤ 55 °C, 400 V	kW	4	5.5	7.5	11	15	18.5
	AC-3	Rated operational current ≤ 55 °C, 400 V	A	9	12	17	26	32	37
	AC-3	Rated operational current ≤ 55 °C, 415 V	A	9	12	17	26	32	37
	AC-3	Rated operational current ≤ 55 °C, 690 V	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 ϕ ≥ 0.95.	AC-1	Rated operational current ≤ 40 °C	A	25	27	30	45	55	60
	AC-1	Rated operational current ≤ 55 °C	A	22	25	27	40	55	60
	AC-1	Rated operational current ≤ 70 °C	A	18	20	23	32	39	42
	With conductor cross-sectional area		mm^2	2.5	4	4	6	10	16
	Rated operational voltage		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).

				A9	A12	A16	A26	A30	A40
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 E..DU.., Electronic O/L relay *Standard starting time 2 ... 10 s tripping class 10 A*	Types & setting range in Amps	TA 25 DU 0.10...0.16 0.16...0.25 0.25...0.40 0.40...0.63 0.63...1.0 1.0...1.4 1.3...1.8 1.7...2.4 2.2...3.1 2.8...4.0 3.5...5.0 4.5...6.5 6.0...8.5 7.5...11 10...14 13...19 18...25 24...32 TA 42 DU... 22...32 29...42 Please consult us for electronic solution

Return to main index

www.abb.com/lowvoltage email marketing.info@gb.abb.com Telephone 02476 368551 Facsimile 02476 368401