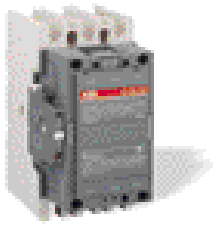
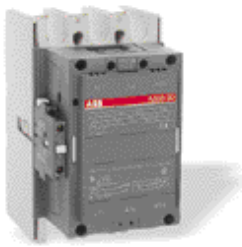
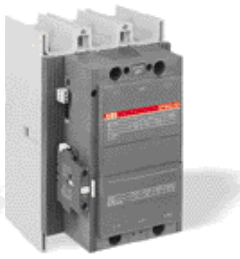

A50 A63 A75	A95 A110	A145 A185	A210 A260 A300	AF400 AF460	AF580 AF750
22 30 37	45 55	75 90	110 140 160	200 250	315 400
50 65 75 50 65 75 35 43 46	96 110 96 110 65 82	145 185 145 185 120 170	210 260 305 210 260 300 210 220 280	400 460 400 460 350 400	580 750 580 750 500 650
100 115 125 85 95 105 70 80 85	145 160 135 145 115 130	250 275 230 250 180 180	350 400 500 300 350 400 240 290 325	600 700 500 600 400 480	800 1050 700 800 580 720
35 50 50	50 70	120 150	185 240 300	2 x 185 2 x 240	2 x 240 bar / mm 2 x 80 x 5
	1000	690			
A50-30-00 A95-30-00 A63-30-00 A75-30-00	A145-30-11 A110-30-00	A210-30-11 A185-30-11	A260-30-11 A300-30-11	AF400-30-11 AF 460-30-11	AF 580-30-11 AF 750-30-11
AF50-30-00 AF63-30-00 AF75-30-00	AF95-30-00 AF110-30-00	AF145-30-11 AF185-30-11	AF210-30-11 AF260-30-11 AF300-30-11		
CAL 5-11 2-pole, side mounting		CAL 5-11 2-pole, side mounting (1st block)		CAL 5-11 B (2nd block)	
Inverse timing - Front mounting	– TE5S Independent mounting	– TE5S Direct timing - Independent mounting			
VE 5-2 –		– VM 300H		– VM 750H	
RV 5 RC 5-2		– RC 5-2		The built-in coil interface eliminates the need of extra surge suppressors on these sizes	
TA 75 DU... 29...42 36...52 45...63 60...80	TA 80 DU... 60...80 TA 110 DU... 65...90 80...110	TA 200 DU... 130...175 150...200 E 200 DU 60...200	TA 450 DU... 165...235 220...310 E 320 DU 100...320	Please consult us for thermal solution E 500 DU 150...500	E 800 DU 250...800

Return to main index

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A 9 ... A 110 3-pole Contactors

a.c. Operated

Application

A 9 ... A 110 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V a.c. / 1000 V a.c. or 220 V d.c. / 440 V d.c. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting.

Description

The A... series 3-pole contactors are of the block type design.

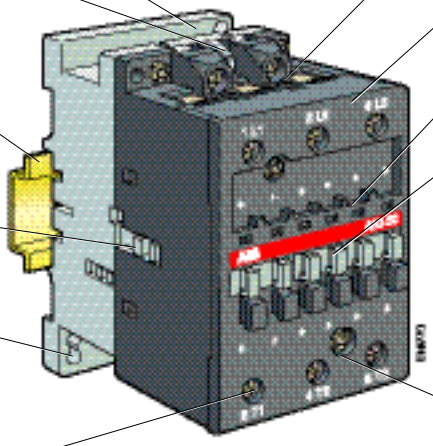
- Main poles and auxiliary contact blocks

  A 9 ... A 40 1-stack contactors:
  - 3 main poles,
  - 1 built-in auxiliary contact,
  - front and side mounted add-on auxiliary contact blocks.

  A 50 ... A 110 contactors:
  - 3 main poles,
  - front and side mounted add-on auxiliary contact blocks.
- Control circuit: a.c. operated with laminated magnet circuit
- Accessories: a wide range of accessories is available

Variants

- 4-pole: A 9 ... A 75 contactors (with 4 N.O. or 2 N.O. + 2 N.C. main poles).
- a.c./d.c. operated controlled supply: AF 50 ... AF 110 contactors.
- d.c. operated: AE 9 ... AE 40 contactors.
- d.c. operated with large coil voltage range: TAE 50 ... TAE 110 contactors (on application).
- contactors for capacitor switching (UA..., UA..-R types),



Location of surge suppressors.

Clear marking of coil voltages and frequencies.

Quick fixing on mounting rail according to IEC 715, EN 50022 and EN 50023 standards:
– 35 x 7.5 mm for A 9 ... A 40 contactors,
– 35 x 15 mm for A 9 ... A 75 contactors,
– 75 x 25 mm for A 50 ... A 110 contactors.

Location of side-mounted accessories (on right or left hand side).

Holes for screw fixing (screws not supplied). Distance between holes according to EN 50003 (contactors for motors ≤ 11 kW).

Terminals delivered in open position with captive screws.
Screwdriver guidance for all terminals.
Degree of protection (IP...) of terminals according to IEC 60947-1:
– A 9 ... A 40 contactors:
IP 20 for main and auxiliary terminals.
– A 50 ... A 110 contactors:
IP 10 for main terminals,
IP 20 for auxiliary terminals.

Connecting point for control leads in top part of main terminals of A 50 ... A 110 contactors.

Terminal marking according to IEC 60947-4-1, EN 50005, EN 50012 and NEMA standards.

Location of function marker.

Stops for attaching front-mounted accessories.

Terminal screws:
– A 9 ... A 16 contactors:
M3.5 Pozidriv (+,-) No.2 for all terminals,
– A 26 contactors:
M4 Pozidriv (+,-) No.2 for main and auxiliary terminals,
M3.5 Pozidriv (+,-) No.2 for coil terminals,
– A 30, A 40 contactors:
M5 Pozidriv (+,-) No.2 for main terminals,
M3.5 Pozidriv (+,-) No.2 for auxiliary and coil terminals,
– A 50 ... A 75 contactors:
M6 Pozidriv (+,-) No.2 for main terminals,
M3.5 Pozidriv (+,-) No.2 for coil terminals,
– A 95 ... A 110 contactors:
M8 Hexagon socket (s = 4 mm) for main terminals,
M3.5 Pozidriv (+,-) No.2 for coil terminals.

Return to main index

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