

Inverse timing - Front mounting



TE5S Independent mounting









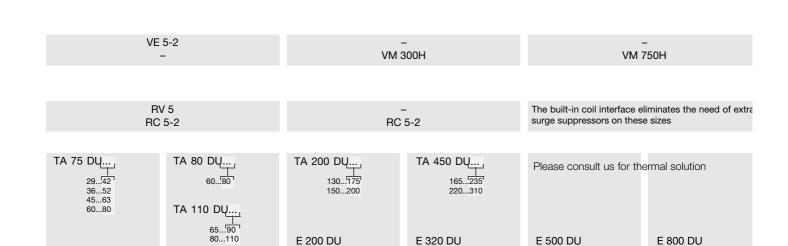
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	A50	A63	A75	A95	A110	A145	A185	A210	A260	A300	AF400	AF460	AF580	AF750
	22	30	37	45	55	75	90	110	140	160	200	250	315	400
	50 50 35	65 65 43	75 75 46	96 96 65	110 110 82	145 145 120	185 185 170	210 210 210	260 260 220	305 300 280	400 400 350	460 460 400	580 580 500	750 750 650
	100 85 70	115 95 80	125 105 85	145 135 115	160 145 130	250 230 180	275 250 180	350 300 240	400 350 290	500 400 325	600 500 400	700 600 480	800 700 580	1050 800 720
00	35	50	50	50	70 1000	120	150	185	240	300 690	2 x 185	2 x 240	2 x 240	bar/mm 2 x 80 x 5
000 900 900 900 900 900 900 900 900 900	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							
	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		AF400-30-11 AF 460-30-11		AF 580-30-11 AF 750-30-11			

CAL 5-11, 2-pole, side mounting	CAL 5-11	2-pole, side mounting	CAL 5-11 B	
	(1	(2 <sup>nd</sup> block)		

TE5S Direct timing - Independent mounting

E 500 DU

150...500



E 320 DU

100...320

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E 800 DU

250...800

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E 200 DU

60...200

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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.

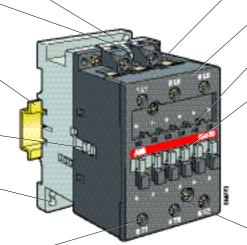
Location of side-mounted accessories (on right or left hand side).

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,
- 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.

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