



AE..RT and TAE..RT 3-pole Contactors



d.c. Operated with Double-Winding Coil

Application

AE 50..RT ... AE 75..RT contactors, as well as **TAE..RT** versions, 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 **TAE..RT** contactors have ring tongue terminals and are designed to operate in control circuits with large voltage variations.

Example: battery supply.

Description

The **AE..RT** series 3-pole contactors are d.c. operated contactors.

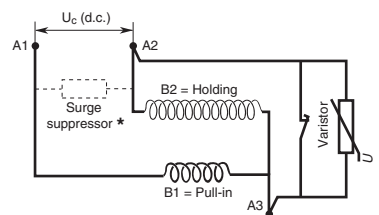
The **TAE..RT** series 3-pole contactors are d.c. operated contactors with large coil voltage range.

- Main poles and auxiliary contact blocks
 - 3 main poles,
 - front-mounted add-on auxiliary contact blocks.
- Control circuit: laminated magnet circuit and double-winding coil fed from d.c. supply via an insertion contact mounted on the device
 - AE 50..RT ... AE 75..RT, TAE 50..RT, TAE 75..RT: side mounted add-on lagging contact, for insertion of the second winding (factory mounted).
- Accessories: a wide range of accessories are available (see page 37).

Variants

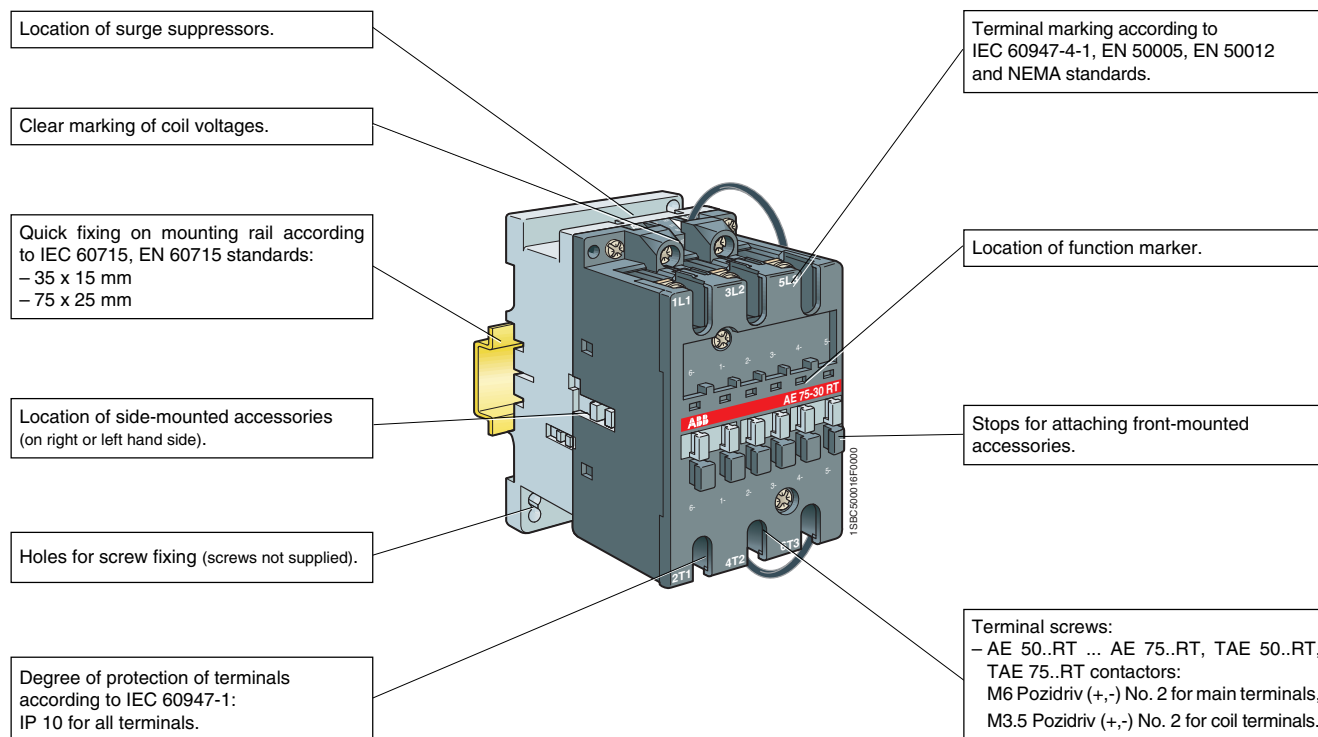
- 4 N.O. main poles: AE 45..RT ... AE 75..RT,
- 4 N.O. main poles: TAE 45..RT, TAE 75..RT.

* Extra RV 5 (or RT 5) surge suppressor can be added on to the "Pull-in" winding, if required. Please order separately (see page 37).



AE..RT and TAE..RT contactors

– Add-on lagging contact block (factory mounted) with built-in varistor for insertion of the "holding winding"

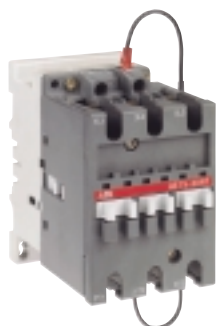




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AE 75-30-00RT

1SBC5 9010 4F0304



TAE 50-30-00RT

1SBC5 8183 3F0301

Ordering Details

IEC	UL/CSA		Auxiliary contacts fitted		Type	Order code	Weight kg
AC-3 Rated power 400 V	AC-1 Rated current $\theta \leq 40^\circ\text{C}$ 400 V	3-Phase motor rating 480 V	General use rating 600 V		state coil voltage (see table below)	state coil voltage code (see table below)	Pack ^{ing} 1 piece
kW	A	hp	A				

3-pole Contactors

22	100	40	80	--	AE 50-30-00RT	1SBL 359 010 R 00	1.200
30	115	60	90	--	AE 63-30-00RT	1SBL 379 010 R 00	1.200
37	125	60	105	--	AE 75-30-00RT	1SBL 419 010 R 00	1.200

3-pole Contactors - Large coil voltage range

22	100	--	--	--	TAE 50-30-00RT	1SBL 359 060 R 00	1.200
37	125	--	--	--	TAE 75-30-00RT	1SBL 419 060 R 00	1.200

Coil voltages and codes for AE..RT

Voltage - U_c V d.c.	Code
12	8 0
24	8 1
42	8 2
48	8 3
60	8 4
75	8 5
110	8 6
125	8 7
220	8 8
240	8 9

Coil voltages and codes for TAE..RT

Voltage - U_c V d.c.	Code
17 ... 32	5 1
25 ... 45	5 2
36 ... 65	5 4
42 ... 78	5 8
50 ... 90	5 5
77 ... 143	6 2
90 ... 150	6 6
152 ... 264	6 8

Voltage tolerances (-15% and +10%) included in the U_c min. and U_c max. values for the TAE..RT contactors.