



AL..RT and TAL..RT Contactors

d.c. Operated



Application

AL..RT, TAL..RT contactors are mainly used for controlling 3-phase motors and more generally for controlling power circuits up to 690 V a.c. or 220 / 440 V d.c. These contactors have a low power consumption for direct control from PLC outputs. Consequently they are perfectly adapted for all applications associated with PLC control.

AL..RT and TAL..RT contactors are the ring tongue terminal version of the AL range.

Their main features are:

- High connection reliability with no need to retighten the terminals on site.
- Vibration proof
- **TAL..RT** contactors comply with the main railway requirements (see page 17).

Description

The **AL..RT** series 3-pole contactors are of the block type design.

The **TAL..RT** series 3-pole contactors are of the block type design with a large coil voltage range.

- Main poles and auxiliary contact blocks
 - **AL 9..RT ... AL 40..RT 1-stack contactors:**
 - 3 main poles,
 - 1 built-in auxiliary contact,
 - front-mounted add-on auxiliary contact blocks.
- Control circuit: d.c. operated with solid core magnet circuit and low consumption coil. The coil must be energised from a d.c. supply and the polarity (+ and -) must be respected.
- Accessories: a wide range of accessories are available.

Variants

- 4-pole: **AL 9..RT ... AL 26..RT** contactors (with 4 N.O. or 2 N.O. + 2 N.C. main poles).

Contactor designation explanation

1) **AL 9-30-10RT**

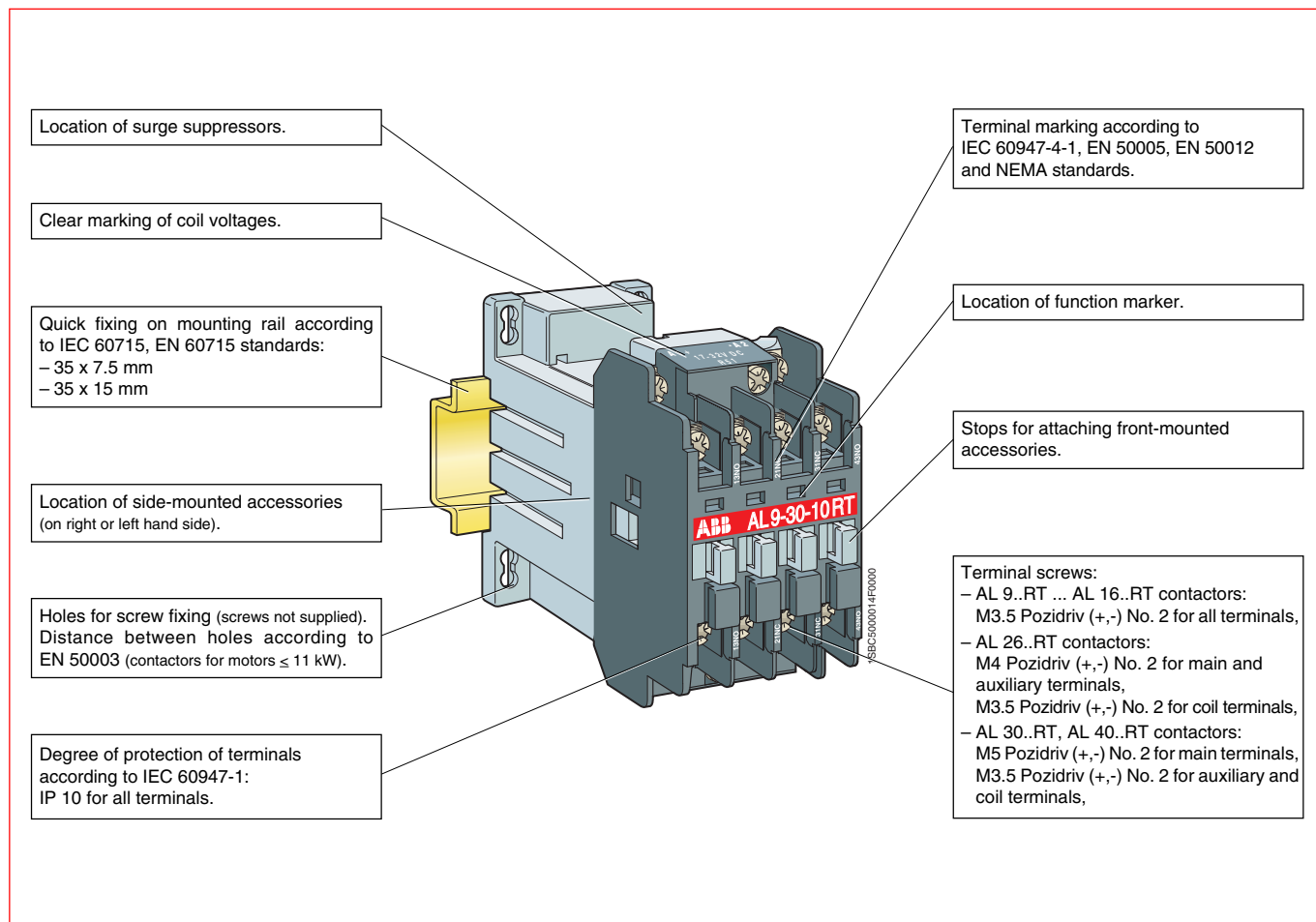
RT = Ring Tongue Terminals

2) **TAL 9-30-10RT**

T = Large coil voltage range

Blue = Standard contactor features

Black = Different variations according to the application



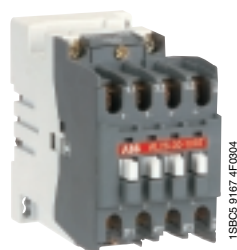


AL..RT 3-pole Contactors

d.c. Operated



AL 9-30-10RT



AL 26-30-10RT



AL 30-30-10RT

Ordering Details

3-pole Contactors - 3 W and 3.5 W consumption

IEC		UL/CSA		Auxiliary contacts fitted		Type	Order code	Weight kg
AC-3 Rated power	AC-1 Rated current	3-Phase motor rating	General use rating	1 st stack	2 nd stack			
400 V	$\theta \leq 40^{\circ}\text{C}$	480 V	600 V			state coil voltage (see table below)	state coil voltage code (see table below)	Pack ^{ing} 1 piece
kW	A	hp	A					
4	25	5	21	1 -	--	AL 9-30-10RT	1SBL 143 010 R 10	0.520
				- 1	--	AL 9-30-01RT	1SBL 143 010 R 01	0.520
5.5	27	7.5	25	1 -	--	AL 12-30-10RT	1SBL 163 010 R 10	0.520
				- 1	--	AL 12-30-01RT	1SBL 163 010 R 01	0.520
7.5	30	10	30	1 -	--	AL 16-30-10RT	1SBL 183 010 R 10	0.520
				- 1	--	AL 16-30-01RT	1SBL 183 010 R 01	0.520
11	45	20	40	1 -	--	AL 26-30-10RT	1SBL 243 010 R 10	0.750
				- 1	--	AL 26-30-01RT	1SBL 243 010 R 01	0.750
15	50	25	50	1 -	--	AL 30-30-10RT	1SBL 283 010 R 10	0.850
				- 1	--	AL 30-30-01RT	1SBL 283 010 R 01	0.850
18.5	60	30	60	1 -	--	AL 40-30-10RT	1SBL 323 010 R 10	0.850
				- 1	--	AL 40-30-01RT	1SBL 323 010 R 01	0.850

Coil voltages and codes

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