

# 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**

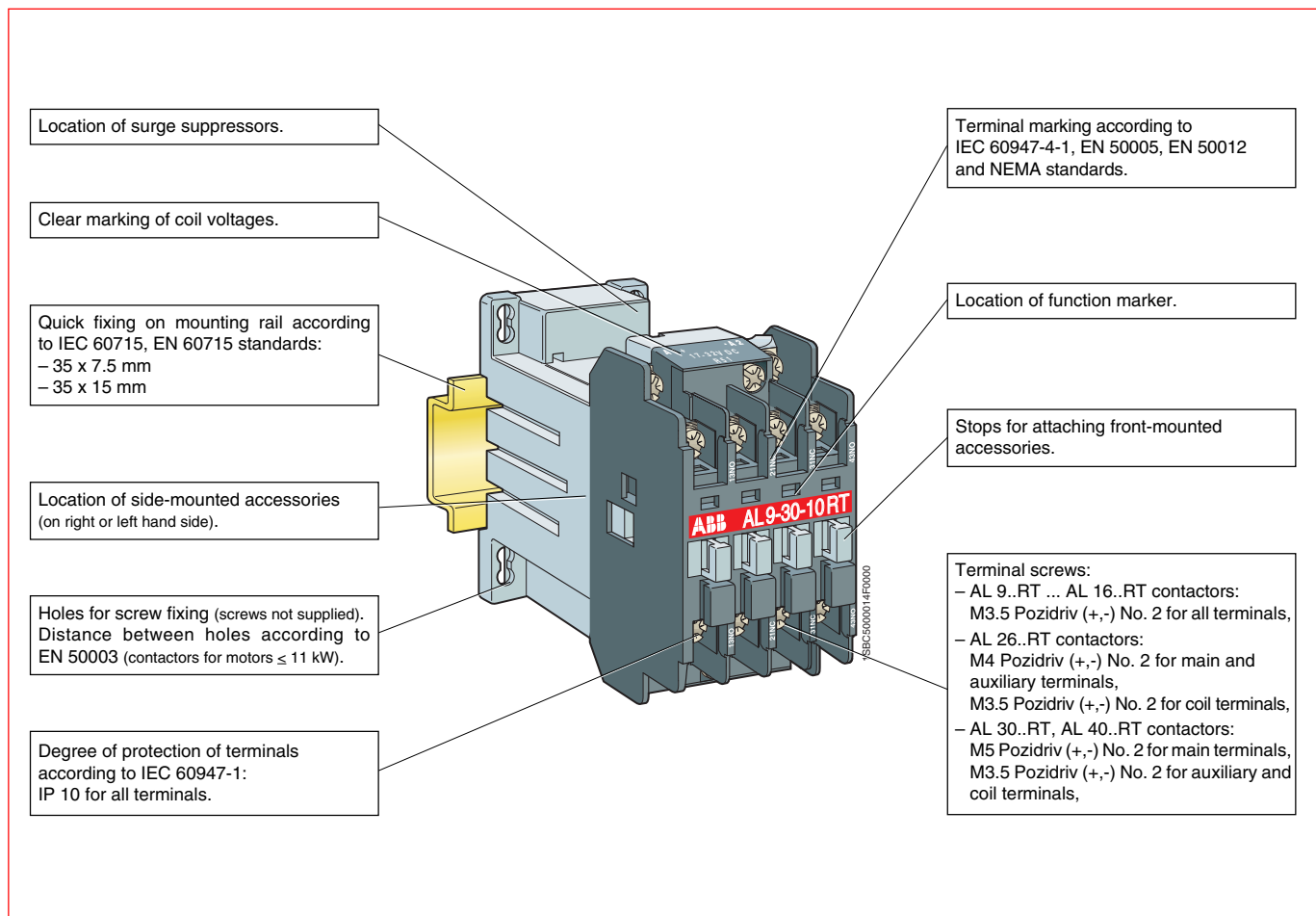
RT = Ring Tongue Terminals

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

T = Large coil voltage range

Blue = Standard contactor features

Black = Different variations according to the application

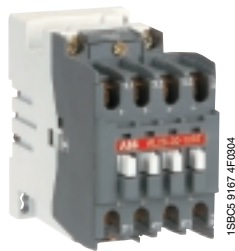


# AL..RT 3-pole Contactors

## 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 <sup>st</sup> stack	2 <sup>nd</sup> stack			
400 V	$\theta \leq 40^{\circ}\text{C}$	480 V	600 V			state coil voltage <input type="text"/> <input type="text"/> <input type="text"/> (see table below)	state coil voltage code <input type="text"/> <input type="text"/> (see table below)	Packing 1 piece
<b>kW</b>	<b>A</b>	<b>hp</b>	<b>A</b>					
4	25	5	21	1 -	--	AL 9-30-10RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 143 010 R <input type="text"/> <input type="text"/> 10	0.520
				- 1	--	AL 9-30-01RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 143 010 R <input type="text"/> <input type="text"/> 01	0.520
5.5	27	7.5	25	1 -	--	AL 12-30-10RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 163 010 R <input type="text"/> <input type="text"/> 10	0.520
				- 1	--	AL 12-30-01RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 163 010 R <input type="text"/> <input type="text"/> 01	0.520
7.5	30	10	30	1 -	--	AL 16-30-10RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 183 010 R <input type="text"/> <input type="text"/> 10	0.520
				- 1	--	AL 16-30-01RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 183 010 R <input type="text"/> <input type="text"/> 01	0.520
11	45	20	40	1 -	--	AL 26-30-10RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 243 010 R <input type="text"/> <input type="text"/> 10	0.750
				- 1	--	AL 26-30-01RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 243 010 R <input type="text"/> <input type="text"/> 01	0.750
15	50	25	50	1 -	--	AL 30-30-10RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 283 010 R <input type="text"/> <input type="text"/> 10	0.850
				- 1	--	AL 30-30-01RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 283 010 R <input type="text"/> <input type="text"/> 01	0.850
18.5	60	30	60	1 -	--	AL 40-30-10RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 323 010 R <input type="text"/> <input type="text"/> 10	0.850
				- 1	--	AL 40-30-01RT <input type="text"/> <input type="text"/> <input type="text"/>	1SBL 323 010 R <input type="text"/> <input type="text"/> 01	0.850

#### Coil voltages and codes

Voltage - U <sub>c</sub> 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