

# 3RT, 3RH, 3TB, 3TC, 3TH, 3TK Contactors for Special Applications

## Contactors with Extended Tolerance 0.7 ... 1.25 x U<sub>s</sub>, for Railway Applications

3TB5 motor contactors, 55 ... 200 kW

### Overview

EN 60947-4-1.

For requirements according to IEC 60077-1 and IEC 60077-2.

The contactors are finger-safe according to EN 50274. Terminal covers may have to be fitted onto the connecting bars, depending on the configuration with other devices.

### Application

For operation in plants which are subject both to considerable variations in the control voltage and to high ambient temperatures, e.g. in railway applications.

### Selection and ordering data

**3TB50 to 3TB56 contactors**  
**With screw terminals**  
**For screw fixing**  
**Solenoid fitted with varistor**

Size	Rated data AC-2 and AC-3		Auxiliary contacts <sup>1)</sup>				Rated control supply voltage U <sub>s</sub>		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Operational current I <sub>e</sub> at 400 V A	Ratings of induction motors at 230 V kW	400 V kW	500 V kW	690 V kW	NO	NC	V DC							kg
<b>Contactors for switching AC voltage - DC operation - DC solenoid system</b>															
<b>6</b>	110	37	<b>55</b>	75	90	2	1	24 110	C C	<b>3TB50 17-0LB4</b> <b>3TB50 17-0LF4</b>		1 1	1 unit 1 unit	101 101	6.674 6.640
<b>8</b>	170	55	<b>90</b>	110	132	2	1	24 110	C C	<b>3TB52 17-0LB4</b> <b>3TB52 17-0LF4</b>		1 1	1 unit 1 unit	101 101	9.250 9.222
<b>10</b>	250	75	<b>132</b>	160	200	2	1	24 110	C C	<b>3TB54 17-0LB4</b> <b>3TB54 17-0LF4</b>		1 1	1 unit 1 unit	101 101	16.800 8.845
<b>12</b>	400	115	<b>200</b>	255	355	2	1	110	C	<b>3TB56 17-0LF4</b>		1	1 unit	101	19.793

1) The number of auxiliary contacts cannot be increased.

# 3RT, 3RH, 3TB, 3TC, 3TH, 3TK Contactors for Special Applications

## Contactors with Extended Tolerance 0.7 ... 1.25 x U<sub>s</sub>, for Railway Applications

### 3TC contactors for switching DC voltage, 2-pole

#### Overview

EN 60947-4-1.

For requirements according to IEC 60077-1 and IEC 60077-2.

The contactors are finger-safe according to EN 50274 (exception: series resistor). Terminal covers may have to be fitted onto the connecting bars, depending on the configuration with other devices.

#### Application

For operation in plants which are subject both to considerable variations in the control voltage and to high ambient temperatures, e.g. in railway applications.

#### Selection and ordering data

*With screw terminals*

*3TC44: for screw and snap-on mounting onto 35 mm standard mounting rail*

*3TC48 to 3TC56: for screw fixing*

*Solenoid fitted with varistor*



3TC48

Size	Utilization category	Rated operational current I <sub>e</sub> at 750 V A	Rating of AC loads at				Auxiliary contacts <sup>1)</sup>		Rated control supply voltage U <sub>s</sub> V DC	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
			220 V kW	440 V kW	600 V kW	750 V kW	NO	NC								
<b>Contactors for switching DC voltage · DC operation · DC solenoid system</b>																
<b>2</b>	DC-1	32	7	14	19.2	24	2	1	24	B	<b>3TC44 17-0LB4</b>		1	1 unit	101	1.321
	DC-3/DC-5	7.5	5	9	9	4			110	C			<b>3TC44 17-0LF4</b>	1	1 unit	101
<b>4</b>	DC-1	75	16.5	33	45	56	2	1	24	C	<b>3TC48 17-0LB4</b>		1	1 unit	101	4.857
	DC-3/DC-5	75	13	27	38	45			110	C			<b>3TC48 17-0LF4</b>	1	1 unit	101
<b>8</b>	DC-1	170	48	97	132	165	2	1	24	C	<b>3TC52 17-0LB4</b>		1	1 unit	101	10.722
	DC-3/DC-5	170	41	82	110	110			110	C			<b>3TC52 17-0LF4</b>	1	1 unit	101
<b>12</b>	DC-1	400	88	176	240	300	2	1	24	C	<b>3TC56 17-0LB4</b>		1	1 unit	101	24.150
	DC-3/DC-5	400	70	140	200	250			110	C			<b>3TC56 17-0LF4</b>	1	1 unit	101

1) The number of auxiliary contacts cannot be increased.