

3RT10 coupling relays (interface),  
for switching motors, 3-pole, 3 ... 11 kW

## Overview

## DC operation

IEC 60947, EN 60947.

The 3RT10 coupling relays for switching motors are tailored to the special requirements of working with electronic controls.

The 3RT10 1 coupling relays cannot be extended with auxiliary switch blocks.

Two single-pole auxiliary switch blocks can be fitted to the 3RT10 2 coupling relays (see Accessories on page 3/97).

The coupling relays have a low power consumption, an extended operating range of the solenoid coil and an integrated surge suppressor for damping opening surges (exceptions: 3RT10 1.-1HB4. and 3RT10 1.-MB4.-0KT0).

## Selection and ordering data

## DC operation

## Low power consumption

## Extended operating range of the solenoid coils

## Integrated coil circuit

PU (UNIT, SET, M)= 1  
 PS\* = 1 unit  
 PG = 101



3RT10 1.-1.B4.



3RT10 1.-2.B4.

Surge suppressor	Rated data		Auxiliary contacts		DT	Screw terminals		Weight per PU approx.	DT	Cage Clamp terminals		Weight per PU approx.
	AC-2 and AC-3, $T_u$ : Up to 60 °C	Operational current $I_e$ up to 400 V	Rating of induction motors at 50 Hz and 400 V	Ident. No.		Version	Order No.			Price per PU	Order No.	
A		kW		NO NC			kg				kg	

## For screw and snap-on mounting onto TH 35 standard mounting rail

## Size S00

Terminal designations according to EN 50012

Rated control supply voltage  $U_s = 24$  V DC, coil operating range **0.7 to 1.25** ×  $U_s$ Power consumption of the solenoid coils **2.3 W** at 24 V (no auxiliary switch blocks can be mounted)

Diode, varistor or RC element, attachable	7	3	10	1	--	▶	3RT10 15-1HB41	0.260	B	3RT10 15-2HB41	0.260
			01	--	1	▶	3RT10 15-1HB42	0.260	B	3RT10 15-2HB42	0.260
Built-in diode	7	3	10	1	--	▶	3RT10 15-1JB41	0.260	▶	3RT10 15-2JB41	0.260
			01	--	1	▶	3RT10 15-1JB42	0.260	▶	3RT10 15-2JB42	0.260
Built-in varistor	7	3	10	1	--	▶	3RT10 15-1KB41	0.260	▶	3RT10 15-2KB41	0.260
			01	--	1	▶	3RT10 15-1KB42	0.260	▶	3RT10 15-2KB42	0.260
Diode, varistor or RC element, attachable	9	4	10	1	--	▶	3RT10 16-1HB41	0.260	B	3RT10 16-2HB41	0.260
			01	--	1	▶	3RT10 16-1HB42	0.260	B	3RT10 16-2HB42	0.260
Built-in diode	9	4	10	1	--	▶	3RT10 16-1JB41	0.260	▶	3RT10 16-2JB41	0.260
			01	--	1	▶	3RT10 16-1JB42	0.260	▶	3RT10 16-2JB42	0.260
Built-in varistor	9	4	10	1	--	▶	3RT10 16-1KB41	0.260	▶	3RT10 16-2KB41	0.260
			01	--	1	▶	3RT10 16-1KB42	0.260	▶	3RT10 16-2KB42	0.260
Diode, varistor or RC element, attachable	12	5.5	10	1	--	▶	3RT10 17-1HB41	0.260	B	3RT10 17-2HB41	0.260
			01	--	1	▶	3RT10 17-1HB42	0.260	B	3RT10 17-2HB42	0.260
Built-in diode	12	5.5	10	1	--	▶	3RT10 17-1JB41	0.260	▶	3RT10 17-2JB41	0.260
			01	--	1	▶	3RT10 17-1JB42	0.260	A	3RT10 17-2JB42	0.260
Built-in varistor	12	5.5	10	1	--	▶	3RT10 17-1KB41	0.260	▶	3RT10 17-2KB41	0.260
			01	--	1	▶	3RT10 17-1KB42	0.260	▶	3RT10 17-2KB42	0.260

For accessories, see page 3/108.