





Technical specifications

All technical specifications not mentioned in the table below are identical to those of the 3RT10 contactors for switching motors. (See Page 3/20)

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).

Contactor	Type Size		3RT10 1.-.HB4. S00	3RT10 1.-.JB4. S00	3RT10 1.-.KB4. S00	3RT10 2.-.KB4. S0
Mechanical endurance		Operating cycles	30 million			10 million
Magnetic coil operating range			0.7 ... 1.25 x U _s			
Power consumption of the magnetic coil (for cold coil) Closing = closed	at U _s 17 V W 24 V W 30 V W		1.2 2.3 3.6			2.1 4.2 6.6
Permissible residual current of the electronics (for 0 signal)			< 10 mA x (24 V/U _s)			< 6 mA x (24 V/U _s)
Overvoltage configuration of the magnetic coil			No overvoltage damping 	With diode 	With varistor  U	With varistor  U
Operating times of the coupling relays						
• Closing						
- at 17 V	ON-delay NO	ms	40 ... 120			93 ... 270
	OFF-delay NC	ms	30 ... 70			83 ... 250
- at 24 V	ON-delay NO	ms	30 ... 60			64 ... 87
	OFF-delay NC	ms	20 ... 40			55 ... 78
- at 30 V	ON-delay NO	ms	20 ... 50			53 ... 64
	OFF-delay NC	ms	15 ... 30			45 ... 56
• Opening at 17... 30 V	OFF-delay NO	ms	7 ... 17	40 ... 60	7 ... 17	18 ... 19
	ON-delay NC	ms	22 ... 30	60 ... 70	22 ... 30	24 ... 25
Safe isolation between the coil and the main contacts according to EN 60947-1, Appendix N		V	400			

3RT Coupling Relays

**3RT10 coupling relays (interface),
3-pole, 3 ... 11 kW**

All technical specifications not mentioned in the table below are identical to those of the 3RT10 contactors for switching motors. (See Page 3/20)
The 3RT10 1. coupling relays cannot be extended with auxiliary switch blocks.
Power consumption of the coils 1.4 W at 24 V.

Contactor	Type Size		3RT10 1.-1MB4.-0KTO S00	3RT10 1.-1VB4. S00	3RT10 1.-1WB4. S00
Mechanical endurance			30 million		
Magnetic coil operating range			0.85 ... 1.85 x U_s		
Power consumption of the magnetic coil (for cold coil) Closing = closed			at U_s 24 V W 1.4		
Overvoltage configuration of the magnetic coil			No overvoltage damping 	With diode 	With varistor 
Operating times of the coupling relays					
• Closing					
- at 20.5 V	ON-delay NO	ms	40 ... 130		
	OFF-delay NC	ms	40 ... 125		
- at 24 V	ON-delay NO	ms	40 ... 100		
	OFF-delay NC	ms	30 ... 90		
- at 44 V	ON-delay NO	ms	20 ... 30		
	OFF-delay NC	ms	15 ... 25		
• Opening					
	OFF-delay NO	ms	9 ... 12	45 ... 65	10 ... 15
	ON-delay NC	ms	12 ... 16	52 ... 72	15 ... 20
Safe isolation between the coil and the main contacts according to EN 60947-1, Appendix N			V	400	
Permissible residual current			On request		
Upright mounting position					