3RH Contactor Relays

3RH21 coupling relays for switching auxiliary circuits, 4-pole

More information

All technical specifications not mentioned in the table below are identical to those of the 3RH21 contactor relays. The size S00 coupling relays (3RH21) cannot be extended with auxiliary switch blocks.

The size S00 coupling relays (3RH21) cannot be extended to the contractor type.		3RH21HB40	3RH21JB40	3RH21KB40
Contactor type				
Size		S00	S00	S00
Width	mm	45	45	45
Solenoid coil operating range		0.7 1.25 x <i>U</i> _s		
Power consumption of the solenoid coil (for cold coil)				
Closing = Closed • At $U_s = 17 \text{ V}$	W	1.4		
<u> </u>		1.4 2.8		
 At U_S = 24 V At U_S = 30 V 	W	4.4		
Permissible residual current of the electronics for 0 signal	VV	< 10 mA x (24 V/U _S)		
Overvoltage configuration of the solenoid coil		Without overvoltage damping	With diode	With suppressor diode
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Operating times				
Closing at 17 V ON-delay NO OFF-delay NC	ms ms	40 130 30 80		
• At 24 V	-			
- ON-delay NO - OFF-delay NC	ms ms	35 60 25 40		
At 30 VON-delay NOOFF-delay NC	ms ms	25 50 15 30		
• Closing at 17 30 V - OFF-delay NO - ON-delay NC	ms ms	7 20 20 30	38 65 55 75	7 20 20 30
Upright mounting position	1110	Request required	00 10	20 00
oprignt mounting position		Hequest required		
Contactor type		3RH21MB40-0KT0	3RH21VB40	3RH21WB40
			S00	S00
		S00	000	
Size	mm	S00 45	45	45
Size Width	mm			45
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil)	mm W	45		45
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at $U_{\rm S} = 24$ V Permissible residual current		45 0.85 1.85 × <i>U</i> _S		45
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at $U_{\rm S} = 24 \text{ V}$ Permissible residual current of the electronics for 0 signal		45 0.85 1.85 × <i>U</i> _S 1.6	45	Built-in suppressor diode
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at $U_{\rm S} = 24 \text{ V}$ Permissible residual current of the electronics for 0 signal		45 0.85 1.85 x U _S 1.6 < 8 mA x (24 V/U _S) Diode, varistor or RC element,	45	
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at $U_s = 24 \text{ V}$ Permissible residual current of the electronics for 0 signal Overvoltage configuration of the solenoid coil		45 0.85 1.85 x U _S 1.6 < 8 mA x (24 V/U _S) Diode, varistor or RC element,	Built-in diode	Built-in suppressor diode
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at U _s = 24 V Permissible residual current of the electronics for 0 signal Overvoltage configuration of the solenoid coil Operating times of the coupling relays • Closing at 20.5 V - ON-delay NO	W	45 0.85 1.85 x U _S 1.6 < 8 mA x (24 V/U _S) Diode, varistor or RC element, attachable	Built-in diode	Built-in suppressor diode
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at U _s = 24 V Permissible residual current of the electronics for 0 signal Overvoltage configuration of the solenoid coil Operating times of the coupling relays Closing at 20.5 V ON-delay NO OFF-delay NC	W	45 0.85 1.85 x U _S 1.6 < 8 mA x (24 V/U _S) Diode, varistor or RC element, attachable \$\int_{\subset}^{\left(-)} \int_{\subset}^{\left(-)} \	Built-in diode	Built-in suppressor diode
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at U _s = 24 V Permissible residual current of the electronics for 0 signal Overvoltage configuration of the solenoid coil Operating times of the coupling relays • Closing at 20.5 V - ON-delay NO - OFF-delay NC	W	45 0.85 1.85 x U _S 1.6 < 8 mA x (24 V/U _S) Diode, varistor or RC element, attachable	Built-in diode	Built-in suppressor diode
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at U _s = 24 V Permissible residual current of the electronics for 0 signal Overvoltage configuration of the solenoid coil Operating times of the coupling relays • Closing at 20.5 V - ON-delay NO - OFF-delay NC • At 24 V - ON-delay NO • OFF-delay NC • At 44 V - ON-delay NO	ms ms ms ms ms	45 0.85 1.85 x U _S 1.6 < 8 mA x (24 V/U _S) Diode, varistor or RC element, attachable \$\sqrt{\frac{1}{2}} \sqrt{\frac{1}{2}} \sqrt{\frac{1}{2}} 30 120 20 110 25 90 15 80 15 60	Built-in diode	Built-in suppressor diode
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at U _s = 24 V Permissible residual current of the electronics for 0 signal Overvoltage configuration of the solenoid coil Operating times of the coupling relays • Closing at 20.5 V - ON-delay NO - OFF-delay NC • At 24 V - ON-delay NO - OFF-delay NC • At 44 V - ON-delay NO - OFF-delay NC • Closing at 17 30 V - OFF-delay NO	ms ms ms	45 0.85 1.85 x U _S 1.6 < 8 mA x (24 V/U _S) Diode, varistor or RC element, attachable 30 120 20 110 25 90 15 80 15 60 10 50 5 20	Built-in diode	Built-in suppressor diode — DId—
Size Width Solenoid coil operating range Power consumption of the solenoid coil (for cold coil) Closing = Closed at U _s = 24 V Permissible residual current of the electronics for 0 signal Overvoltage configuration of the solenoid coil Operating times of the coupling relays • Closing at 20.5 V • ON-delay NO • OFF-delay NC • At 24 V • ON-delay NO • OFF-delay NC • At 44 V • ON-delay NO • OFF-delay NO • OFF-delay NC • At 44 V • ON-delay NO • OFF-delay NC • Closing at 17 30 V	ms ms ms ms ms ms	45 0.85 1.85 x U _s 1.6 < 8 mA x (24 V/U _s) Diode, varistor or RC element, attachable 30 120 20 110 25 90 15 80 15 60 10 50	Built-in diode	Built-in suppressor diode