

Advantages

→ Contactors RD series are universal power supply AC/DC with built-in varistor surge protection. RD contactors produce less noise (DC coil inside)



→ Special terminals provide reliable connection with cables.



→ Spring-loaded latch ensures reliable mounting on DIN rail TH 35

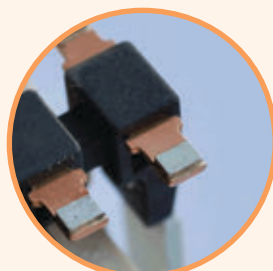


→ Contactors series R-R have operating mode switch:
 - Automatic mode (normal operation with control circuit-coil)
 - Manual mode (0 - permanently open, I - constantly closed).

In manual mode constantly close operation I presence of voltage on control circuit-coil returns contactor in automatic mode operation.



→ Contact status can be monitored visually or remote by auxiliary contacts



→ Silver contacts provide the best conductivity and lowest contact resistance



→ Spring loaded contacts to reduce bouncing effect and prolong contact life time



→ Specially designed mechanism consisting of two movable cores significantly reduces the noise level at switching

Modular contactors for installation into distribution boards - type RD, R...R, RD...R

1-pole, ON - OFF - AUTO, 1 module (17,5 mm), 20 A (AC1, 230V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
R 20-10-R-230V AC	002464032		130	10
R 20-10-R-24V AC	002464033			
RD 20-10-R-230V AC/DC	002464034		130	10
RD 20-10-R-24V AC/DC	002464035			
R 20-01-R-230V AC	002464036		130	10
R 20-01-R-24V AC	002464037			
RD 20-01-R-230V AC/DC	002464038		130	10
RD 20-01-R-24V AC/DC	002464039			

2-pole, ON - OFF - AUTO, 1 module (17,5 mm), 20 A (AC1, 230V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
R 20-20-R-230V AC	002464040		130	10
R 20-20-R-24V AC	002464041			
RD 20-20-R-230V AC/DC	002464042		130	10
RD 20-20-R-24V AC/DC	002464043			
R 20-11-R-230V AC	002464044		130	10
R 20-11-R-24V AC	002464045			
RD 20-11-R-230V AC/DC	002464046		130	10
RD 20-11-R-24V AC/DC	002464047			
R 20-02-R-230V AC	002464048		130	10
R 20-02-R-24V AC	002464049			
RD 20-02-R-230V AC/DC	002464050		130	10
RD 20-02-R-24V AC/DC	002464051			

Take care of dissipated heat by: $\leq 40^\circ\text{C}$ max. 3 modules side by side
 $40 - 55^\circ\text{C}$ max. 2 modules side by side.

For more contactors together, use distance piece IKV

4-pole, ON - OFF - AUTO, 2 modules (35 mm), 25 A (AC1, 400 V)

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
R 25-40-R-230V AC	002464052		240	5
R 25-40-R-24V AC	002464053			
RD 25-40-R-230V AC/DC	002464054		240	5
RD 25-40-R-24V AC/DC	002464055			
R 25-31-R-230V AC	002464056		240	5
R 25-31-R-24V AC	002464057			
RD 25-31-R-230V AC/DC	002464058		240	5
RD 25-31-R-24V AC/DC	002464059			
R 25-22-R-230V AC	002464060		240	5
R 25-22-R-24V AC	002464061			
RD 25-22-R-230V AC/DC	002464062		240	5
RD 25-22-R-24V AC/DC	002464063			
R 25-04-R-230V AC	002464064		240	5
R 25-04-R-24V AC	002464065			
RD 25-04-R-230V AC/DC	002464066		240	5
RD 25-04-R-24V AC/DC	002464067			

Take care of dissipated heat by: $\leq 40^\circ\text{C}$ max. 3 modules side by side
 $40 - 55^\circ\text{C}$ max. 2 modules side by side.

For more contactors together, use distance piece IKV



Data according to IEC 947-4-1, IEC 947-5-1, VDE 0660, EN 60947-4-1, EN 60947-5-1

Type			R 20-R	RD 20-R	R 25-R	R D25-R	
General	Standards		IEC/EN 61095, IEC/EN 60947-4-1, IEC/EN 60947-5-1				
	Module width		1		2		
	Mechanical endurance		op. c.		3 x 106		
	Ambient temperature		°C		-5 ... +55		
	Storage temperature		°C		-30 ... +80		
	No. of contactors (side-by-side)		≤ 40 °C	max. 3	max. 3	no limit	max. 3
			40 - 55 °C	max. 2	max. 2		max. 2
	Contact reliability		17 V; ≥ 50 mA				
	Min. distance of open contacts		mm		3,6		
	Power dissipation per pole		W		1,7	1,7	2,2
	Overload current withstand capability		A		72	72	68
	Max. back-up fuse for short-circuit protection gL		Iv		20	20	25
	Coordination type 2		A		20	20	25
	Max. operating frequency		DC-1		300		
			AC-1/AC-3/AC-5b/AC-6b		600		
			AC-15		1200		
no load			3000				
Weight		kg		0,13	0,13	0,24	
Rated insulation voltage		Ui		V		230	
Rated impulse withstand voltage		Uimp		kV		4	
Thermal current		Ith		A		20	
Rated operational voltage		Ue		V		230	
Rated frequency		f		Hz		50/60	
Rated operational current		AC-1/AC-7a		Ie		A	20
Operational power AC-1/AC-7a		single-phase		230 V		4	
		three-phase		230 V		Pe	kW
		three-phase		400 V		-	-
Electrical endurance		AC-1/AC-7a		op. c.		200.000	
Electrical endurance		AC-3/AC-7b		op. c.		300.000	
Switching of capacitors		AC-6b		230 V		C	
						μF	
Electrical endurance		AC-6b		op. c.		100.000	
Rated operational current		AC-1/AC-7a		Ie		A	9
Operational power AC-3/AC-7b		single-phase motor		230 V		1.3 only for NO ¹⁾	
		three-phase motor		230 V		Pe	kW
		three-phase motor		400 V		-	-
Electrical endurance		AC-3/AC-7b		op. c.		300.000	
Switching of capacitors		AC-6b		230 V		C	
						μF	
Electrical endurance		AC-6b		op. c.		100.000	

1) Make contacts are marked NO

2) Data for single-phase power are valid for versions -22, -20 and -02