

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

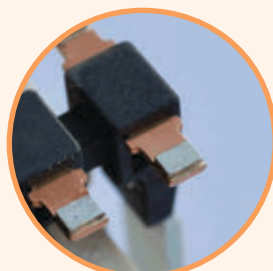


→ Contactors series R-R have operating mode switch:  
 - Automatic mode (normal operation with control circuit-coil)  
 - Manual mode (0 - permanently open, I - constantly closed).

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



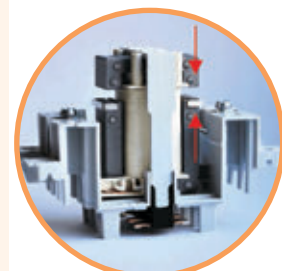
→ Contact status can be monitored visually or remote by auxiliary contacts



→ 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



**1-pole, 1 module (17,5 mm), 20 A (AC1, 230 V)**

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RD 20-10-230V AC/DC	002464000		130	10
RD 20-10-24V AC/DC	002464001			
RD 20-01-230V AC/DC	002464002			
RD 20-01-24V AC/DC	002464003			

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

RD 20-20-230V AC/DC	002464004		130	10
RD 20-20-24V AC/DC	002464005			
RD 20-11-230V AC/DC	002464006			
RD 20-11-24V AC/DC	002464007			
RD 20-02-230V AC/DC	002464008			
RD 20-02-24V AC/DC	002464009			

Take care of dissipated heat by: ≤ 40 °C max. 3 modules side by side  
40 - 55 °C max. 2 modules side by side.

For more contactors together, use distance piece IKV



**4-pole, 2 modules (35 mm), 25 A (AC1, 400 V)**

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RD 25-40-230V AC/DC	002464010		240	5
RD 25-40-24V AC/DC	002464011			
RD 25-31-230V AC/DC	002464012			
RD 25-31-24V AC/DC	002464013			
RD 25-22-230V AC/DC	002464014			
RD 25-22-24V AC/DC	002464015			
RD 25-04-230V AC/DC	002464016			
RD 25-04-24V AC/DC	002464017			

Take care of dissipated heat by: ≤ 40 °C max. 3 modules side by side  
40 - 55 °C max. 2 modules side by side.

For more contactors together, use distance piece IKV



**4-pole, 3 modules (52,5 mm), 40 A (AC1, 400 V)**

RD 40-40-230V AC/DC	002464018		420	5
RD 40-40-24V AC/DC	002464019			
RD 40-31-230V AC/DC	002464020			
RD 40-31-24V AC/DC	002464021			
RD 40-22-230V AC/DC	002464022			
RD 40-22-24V AC/DC	002464023			
RD 40-04-230V AC/DC	002464024			
RD 40-04-24V AC/DC	002464025			

Take care of dissipated heat by: ≤ 40 °C max. 3 modules side by side  
40 - 55 °C max. 2 modules side by side.

For more contactors together, use distance piece IKV

**4 pole, 3 modules (52,5mm), 63 A(AC1, 400 V)**

Type	Code No.	Wiring diagram	Weight [g]	Packaging [pcs]
RD 63-40-230V AC/DC	002464026		420	5
RD 63-40-24V AC/DC	002464027			
RD 63-31-230V AC/DC	002464028			
RD 63-31-24V AC/DC	002464029			
RD 63-22-230V AC/DC	002464030			
RD 63-22-24V AC/DC	002464031			

Take care of dissipated heat by: ≤ 40 °C max. 3 modules side by side  
40 - 55 °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				RD20	RD25	RD40	RD63			
Standards				IEC/EN 61095, IEC/EN 60947-4-1, IEC/EN 60947-5-1						
Module width				1	2	3				
Mechanical endurance			op. c.	3 x 106		3 x 106				
Ambient temperature			°C	-5 ... +55						
Storage temperature			°C	-30 ... +80						
No. of contactors (side-by-side)			≤ 40 °C	max. 3						
			40 - 55 °C	max. 2						
Contact reliability				17 V; ≥ 50 mA						
Min. distance of open contacts			mm	3,6						
Power dissipation per pole			W	1,7	2,2	4	8			
Overload current withstand capability			A	72	68	176	240			
Max. back-up fuse for short-circuit protection gL			Iv	A	20	25	63	80		
Coordination type 2										
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	0,24	0,42				
Rated insulation voltage			Ui	V	230	440				
Rated impulse withstand voltage			Uimp	kV	4					
Thermal current			Ith	A	20	25	40	63		
Rated operational voltage			Ue	V	230	400				
Rated frequency			f	Hz	50/60					
Rated operational current			AC-1/AC-7a	Ie	A	20	25	40	63	
Operational power AC-1/AC-7a			single-phase	230 V	4	5,4	8,7	13,3		
			three-phase	230 V	Pe	kW	-	9	16	24
			three-phase	400 V	-	16	26	40		
Electrical endurance			AC-1/AC-7a	op. c.	200.000		100.000			
Rated operational current			AC-3/AC-7b	Ie	A	9	8,5	22	30	
Operational power AC-3/AC-7b			single-phase motor	230 V	1.3 -> NO <sup>1)</sup>	1.3 <sup>2)</sup>	3.7 <sup>2)</sup>	5 <sup>2)</sup>		
			three-phase motor	230 V	Pe	kW	-	2,2	5,5	8,5
			three-phase motor	400 V	-	4	11	15		
Electrical endurance			AC-3/AC-7b	op. c.	300.000	500.000	150.000			
Switching of capacitors			AC-6b	230 V	C	μF	30	36	220	330
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

LED lamps, Power supplies for LEDs

RD20, RD20-R, R20-R	RD25, RD25-R, R25-R	RD40	RD63
max. 2,4 A per pole	max. 3,8 A per pole	max. 11 A per pole	max. 18 A per pole