## SIRIUS 3RU11 Bimetallic Class 10 Overload Relays

### Description

3RU11 overload relays belong to the new generation of SIRIUS 3R control products. The 3RU11 overload relays replace the highly successful 3UA5 and 3UA7 devices. Outstanding features of the new overload relays include long term stability and long service life. The overload relays are optimally matched, both electrically and mechanically, to the 3RT10 contactors. They can also be mounted as a single unit with the use of a separate mounting bracket. 3RU11 overload relays cannot be mounted onto 3TF contactors.

The 3RU11 overload relays are available in four distinct frame sizes up to 100A. The selection charts in this catalog refer to the different frame sizes by their catalog numbers, i.e. 3RU111, 3RU112, 3RU113, and 3RU114. The sixth character in the part number designates the frame size. This "size number" is consistent with, and matches up to, the same four frame sizes of the other IEC products in this catalog. However, it is important to note that other SIRIUS 3R catalog versions in circulation throughout the world refer to these four sizes as S00, S0, S2, and S3 respectively. It is a possibility that these four frame size references (S00, S0, S2, and S3) may appear on product labels as well.

### Application

3RU11 overload relays provide overload protection for three-phase inductive motors with rated currents of up to 100A (75HP, AC-3, 480V). They are used in conjunction with 3RT10 contactors to form motor starters.

### Ambient conditions

Thanks to the newly integrated bimetal and continuous temperature compensation, these devices can be used without derating at an ambient temperature of up to 60°C (140°F). Use up to 70°C (158°F) is possible with derating. (See Siemens Industrial Control Products Catalog - CPPC-06000).

## Auxiliary contacts

The overload relays are equipped with a NC contact for de-energizing the contactor and a NO contact for signalling an overload trip.

The breaking capacity of the switching contacts is very high so that the contactor coils can be switched directly.

## Trip class

The 3RU11 overload relays are designed in accordance with trip class 10, i.e. trips in less than 10 seconds at 6 times the trip current setting (FLA).

3RU111 Overload Relay

### Phase failure sensitivity

A phase failure sensitivity function is integrated in order to provide increased protection in the event of a phase failure, i.e. faster tripping in the event of a single-phase condition.

## Setting the overload relay

The current setting dial can be accessed once the transparent, sealable cover has been opened. The overload relay must be set at the rated full-load amps (FLA) of the motor.

## STOP function

Pressing the red STOP button on the overload relay momentarily opens the NC trip contact. No other contacts and/or functions are affected by this STOP button.

## Manual/automatic reset

The RESET button/mechanism features tripfree operation. This means that the overload relay will trip on an overload condition regardless of whether the reset button is pushed in or not. Manual or automatic reset can be selected with the blue button. The appropriate setting is selected by pressing and turning the button. This setting can then be locked by the sliding transparent cover.

# TEST function and switch position indicator

The switch position indicator also incorporates a test function which, when activated, simulates a tripped overload relay. Both auxiliary contacts are actuated and the switch position is indicated.

# Terminal for contactor coil and auxiliary contact

When the 3RU111 overload relay is mounted directly on the contactor, the auxiliary contact terminal and the coil terminal A2 of the contactor are fed through to the bottom side of the overload relay. This helps considerably in expediting the wiring for both new and retrofit applications. The carry through of the A2 coil

terminal to the bottom of the overload relay is not necessary with the 3RU112, 3RU113, and 3RU114 devices since the associated contactors are equipped with four point coil connections and the auxiliary contacts are either front or side mounted.

Equipment identifying marker

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STOP button

Current setting dial

mounted on contactor)

function

contactor)

Manual/automatic RESET selector switch

Complete Catalog No on front of device

Transparent cover, sealable (secures the cur-

Terminal for contactor coil (when mounted on

Terminal for contactor aux. contacts (when

Switch position indicator and TEST

rent setting screw, TEST function and

manual/automatic RESET position)

## Cage Clamp connection

3RU11 overload relays are available with Cage Clamp terminals. 3RU111 overloads have Cage Clamps on the auxiliary and power terminals. 3RU112, 3RU113, and 3RU114 overloads, however, have Cage Clamps on the auxiliary terminals only. The power terminals on 3RU112, 3RU113, and 3RU114 overloads must remain screw type.

#### Accessories

The accessories available are suitable for use with all frame sizes.

- Electrically operated remote RESET available in different voltages
- Plunger type mechanical RESET for new and existing enclosure installations
- Flexible cable type RESET mechanism for applications where the devices are not easily accessible

### Environment

The devices are manufactured using environmentally-friendly and recyclable materials only.

### Specifications

IEC 947-1, IEC 947-5-1, and DIN VDE 0660.

3RU11 overload relays are suitable for use in any climate when used with the correct enclosure.

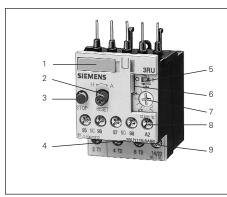
The devices are shock-hazard protected to DIN VDE 0106, Part 100.

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### Approvals

UL, CSA, CE marked.





Control Products Catalog - CPPC-06000.

## SIRIUS 3RU11 Bimetallic Class 10 Overload Relays with Screw Terminals

Description	Ordering Information
Class 10, ambient compensated bimetallic overload relays for direct mounting to 3RT10 contactors. For separate mounting, use in conjunction with 3RU19 separate mounting kits, see Siemens Industrial Control Products Catalog - CPPC-06000.	<ul> <li>1 NO &amp; 1 NC auxiliary contacts</li> <li>Manual/automatic RESET</li> <li>Trip indicator</li> <li>STOP button</li> <li>Test function</li> <li>Sealable cover</li> <li>For accessories, technical data, and dimensions see Siemens Industrial</li> </ul>

Illustration	For Contactor Type	Setting Range Amps	Screw Terminal Catalog No.	Price \$			
. I I I	3RU111—for direct mou	3RU111—for direct mounting to 3RT101 contactors					
SIEVENE SIEVENE SIEVENE SIEVING SIE		0.11-0.16 0.14-0.2 0.18-0.25 0.22-0.32 0.28-0.4 0.35-0.5	3RU1116-0AB0 3RU1116-0BB0 3RU1116-0CB0 3RU1116-0DB0 3RU1116-0EB0 3RU1116-0FB0	58. 58. 58. 58. 58. 58.			
	3RT1015, 3RT1016, 3RT1017	0.45-0.63 0.55-0.8 0.7-1.0 0.9-1.25 1.1-1.6 1.4-2	3RU1116-0GB0 3RU1116-0HB0 3RU1116-0JB0 3RU1116-0KB0 3RU1116-1AB0 3RU1116-1BB0	58. 58. 58. 58. 58. 58.			
		1.8-2.5 2.2-3.2 2.8-4 3.5-5 4.5-6.3 5.5-8 7-10	3RU1116-1CB0 3RU1116-1DB0 3RU1116-1EB0 3RU1116-1FB0 3RU1116-1FB0 3RU1116-1HB0 3RU1116-1HB0	58. 58. 58. 58. 58. 58. 58.			
		9-12	3RU1116-1JB0 3RU1116-1KB0	58. 58.			
	3RU112—for direct mou	nting to 3RT102 contactors					
		1.8–2.5 2.2–3.2 2.8–4 3.5–5	3RU1126-1CB0 3RU1126-1DB0 3RU1126-1EB0 3RU1126-1FB0	60. 60. 60. 60.			
3RU1126	3RT1023, 3RT1024, 3RT1025, 3RT1026	4.5-6.3 5.5-8 7-10 9-12.5	3RU1126-1GB0 3RU1126-1GB0 3RU1126-1JB0 3RU1126-JJB0 3RU1126-1KB0	60. 60. 60. 60.			
	5011020	9-12.3 11-16 14-20 17-22 20-25	3RU1126-4AB0 3RU1126-4BB0 3RU1126-4CB0 3RU1126-4DB0	60. 60. 60. 60.			
	3BU113—for direct mou	nting to 3RT103 contactors	3001120-4080	00.			
	3RT1033,	5.5–8 7–10 9–12.5 11–16	3RU1136-1HB0 3RU1136-1JB0 3RU1136-1KB0 3RU1136-4AB0	71. 71. 71. 71. 71.			
3RU1136	3RT1034, 3RT1035, 3RT1036	14-20 18-25 22-32 28-40 36-45 40-50	3RU1136-4BB0 3RU1136-4DB0 3RU1136-4EB0 3RU1136-4FB0 3RU1136-4GB0 3RU1136-4GB0 3RU1136-4HB0	71. 71. 89. 89. 99. 99.			
	3RU114—for direct mou	3RU114—for direct mounting to 3RT104 contactors					
	3RT1044, 3RT1045, 3RT1046	18-25 22-32 28-40 36-50 45-63 57-75 70-90	3RU1146-4DB0 3RU1146-4EB0 3RU1146-4FB0 3RU1146-4HB0 3RU1146-4JB0 3RU1146-4KB0 3RU1146-4LB0	103. 103. 103. 113. 113. 123. 143.			
3RU1146		80–100	3RU1146-4MB0	181.			
	I		1	I			

#### Siemens Energy & Automation, Inc. - SIRIUS 3R IEC Contactors Catalog Supplement

## SIRIUS 3RU11 Bimetallic Class 10 Overload Relays with Cage Clamp

Description	Ordering Information
Class 10, ambient compensated bimetallic overload relays with Cage Clamp terminals. These overload relays have Cage Clamps on the auxiliary contact terminals. Power terminals remain screw type (except for 3RU111 which has Cage Clamps on all terminals).	<ul> <li>Cage Clamp terminals</li> <li>1 NO &amp; 1 NC auxiliary contacts</li> <li>Manual/automatic RESET</li> <li>Trip indicator</li> <li>STOP button</li> <li>Test function</li> <li>Sealable cover</li> <li>For accessories, technical data, and dimensions see Siemens Industrial Control Products Catalog - CPPC-06000.</li> </ul>

Illustration	For Contactor Type	Setting Range Amps	Cage Clamp Catalog No.	Price \$
	3RU111—For separate mo	ounting with 3RT101 contactors		
ALL DE LE COLOR DE		0.11-0.16	3RU1116-0AC1	68.
THE NEW YORK	3RT1015,	0.14–0.2	3RU1116-0BC1	68.
	3RT1016,	0.18-0.25	3RU1116-0CC1	68.
ANENGENS ARU	3RT1017	0.22-0.32	3RU1116-0DC1	68.
		0.28-0.4	3RU1116-0EC1	68.
		0.35-0.5	3RU1116-0FC1	68.
	Note:	0.45-0.63	3RU1116-0GC1	68.
THE REAL PROPERTY OF THE PARTY	3RU111 overloads do	0.55-0.8	3RU1116-0HC1	68. 68.
BE BE EE	not directly mount to contactors, since they	0.7–1.0 0.9–1.25	3RU1116-0JC1 3RU1116-0KC1	68.
3RU1116-1•C1	have Cage Clamps on	1.1-1.6	3RU1116-1AC1	68.
3nU1110-1•01	all terminals (no mount-	1.4–2	3RU1116-1BC1	68.
	ing pins). They must be	1.8–2.5	3RU1116-1CC1	68.
	separately mounted.	2.2–3.2	3RU1116-1DC1	68.
	A separate mounting	2.8–4	3RU1116-1EC1	68.
	kit is not required.	3.5–5	3RU1116-1FC1	68.
SIEMENS	inclo not required.	4.5-6.3	3RU1116-1GC1	68.
3RU SRU		5.5–8	3RU1116-1HC1	68.
A DELLA DE		7–10	3RU1116-1JC1	68.
		9–12	3RU1116-1KC1	68.
	3RU112—For direct moun	ting with 3RT102 contactors <sup>①</sup>		
EC BO CO CO		1.8–2.5	3RU1126-1CD0	63.
271 412 873		2.2–3.2	3RU1126-1DD0	63.
		2.8-4	3RU1126-1ED0	63.
3RU1126-1•D0		3.5–5	3RU1126-1FD0	63.
	3RT1023,	4.5-6.3	3RU1126-1GD0	63.
	3RT1024,	5.5-8	3RU1126-1HD0	63.
1 1 n <i>a</i> v	3RT1025,	7–10	3RU1126-1JD0	63.
	3RT1026	9–12.5	3RU1126-1KD0	63.
		11–16	3RU1126-4AD0	63.
SIEMEN		14–20	3RU1126-4BD0	63.
3RU 3RU		17–22	3RU1126-4CD0	63.
		20–25	3RU1126-4DD0	63.
	3RU113—For direct moun	ting with 3RT103 contactors <sup>①</sup>		
		5.5–8	3RU1136-1HD0	74.
88.000		7–10	3RU1136-1JD0	74.
412 613		9–12.5	3RU1136-1KD0	74.
00111100 4-00	3RT1033,	11–16	3RU1136-4AD0	74.
3RU1136-4•D0	3RT1034,	14–20	3RU1136-4BD0	74.
	3RT1035,	18–25	3RU1136-4DD0	74.
	3RT1036	22–32	3RU1136-4ED0	92.
		28–40	3RU1136-4FD0	92.
		36–45	3RU1136-4GD0	102.
		40-50	3RU1136-4HD0	102.
STEMENS 38U	3RU114—For direct moun	ting with 3RT104 contactors <sup>①</sup>		
		18–25	3RU1146-4DD0	106.
		22-32	3RU1146-4ED0	106.
	3RT1044,	28-40	3RU1146-4FD0	106.
89999993	3RT1045,	36-50	3RU1146-4HD0	116.
271 0	3RT1046	45-63	3RU1146-4JD0	116.
613		57-75	3RU1146-4KD0	126.
3RU1146-4•D0		70-90	3RU1146-4LD0	146.
		80–100	3RU1146-4MD0	184.

 $\textcircled{\sc 0}$  For separate mounting, use 3RV19 separate mounting kits.

## SIRIUS 3RB10 Solid State Overload Relays

#### Specifications

- IEC 947-4-1, IEC 947-5-1 and DIN VDE 0660. UL Listed File #E22655.
- The devices are shock-hazardprotected according to DIN VDE 0106, Part 100.

#### General

The 3RB10 overload relays form part of the new SIRIUS 3R control generation. The solid-state version of the SIRIUS 3R overload relay is noted for its wide overload ranges (setting ratio 4:1), for its phase loss protection (see characteristic curves) and also for the minimal energy requirement. In terms of dimensions and termination, the solid-state (3RB10) and the thermally delayed types (3RU11) are 100% compatible. Conformal coating of the printed-circuit board and of the electronic components assures reliable operation even in aggressive and tropical atmospheres. Four sizes and two variants are available up to 100A. The overload relays are optimally matched, both electrically and mechanically, to the 3RT10 contactors. They can, however, also be mounted separately with an adapter for installation as a single unit. Devices up to and including size S0 can be fitted on standard mounting rails without using tools.

#### Application

3RB10 solid-state overload relays provide overload protection for three-phase induction motors with rated currents of up to 100A.

For short-circuit protection with fuses or circuit-breakers, the fusing values of the contactors must be taken into account.

#### Operation

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The solid-state overload relays have been developed for use in sinusoidal 50/60Hz voltage networks. These units are self-powered and require no additional power supply for operation. Current transformers (for measurement) are already integrated. A microprocessor checks the current values of each phase and initiates release in the event of overload or phase failure.

The tripping current corresponds to 110% of the set current.

The overload relay must be set to the rated motor current.

The devices are available in Class 10 (motor starting times up to 10 s.) and in Class 20 (motor starting times up to 20 s.) trip curves. **Phase-loss protection** The 3RB10 solid-state overload relays are equipped with phase-loss protection. If a

equipped with phase-loss protection. If a phase loss occurs, the device trips within three3 seconds.

#### STOP function

Trip classes

Activating this function only affects the NC contact, momentarily changing the state of the contact.

#### Manual/automatic reset

Manual or automatic reset can be selected with the blue button. The appropriate setting is selected by pressing and turning the button.

## TEST function and switch position indicator

The switch position indicator also incorporates a test function which, when activated, simulates a tripped overload relay.

Both auxiliary contacts are actuated and the switch position is indicated.

Terminal for contactor coil and auxiliary contact

When the 3RB1016 overload relay (size S00) is mounted directly on the contactor, the auxiliary contact and coil terminal A2 of the contactor are fed through to the bottom of the overload which simplifies wiring.

- 1 Marking Strip
- 2 Manual/automatic RESET selector switch
- 3 STOP button
- 4 1 NO r 1 NC
- 5 Trip class
- 6 Test function and switch position indicator
- 7 4:1 current adjustment dial e.g. 3 to 12A
- 8 Terminal for contactor coil (when mounted on contactor)
- 9 Terminal for contactor auxiliary contacts (when mounted on contactor)

This is not necessary with size S0 as the contactors are equipped with four coil terminals.

#### **Auxiliary contacts**

The overload relays are equipped with a NC contact for disconnecting the contactor and a NO contact for signalling tripping.

The breaking capacity of the switching contacts is very high so that the contactor coils can be switched directly.

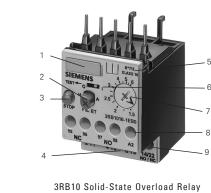
#### Mounting

The overload relays are mounted directly on the 3RT10 contactors. If they are fitted individually on a connector base, they can be fastened by means of screws or placed on a mounting rail. The connector bases of the 3RU11 thermally delayed relays can be used.

#### Accessories

The accessories used with the 3RU11 thermal overload relays can be used for the 3RB10 solid-state overload relays.

- Reset plunger to extend the through-thedoor reset button on deep panels
- Flexible cable reset mechanism for overloads which are not easily accessible



**GENERAL** 

## SIRIUS 3RB10 Solid State Overload Relays

Description	Ordering Information
Class 10 or 20, solid state overload relays for direct mounting to 3RT10 contactors or for separate mounting the 3RB10, 3RB102, 3RB103, and 3RB104 use the 3RW19 separate mounting kit for separate mounting. For separate mounting the 3RB105, and 3RB106 use the terminal blocks from page 24.	<ul> <li>For Accessories, Technical Data, and Dimensions see Siemens Industrial Control Products Catalog - CPPC-06000.</li> </ul>

These overloads include: 1 NO & 1 NC Auxiliary Contacts, Manual/Automatic RESET, Trip Indicator, STOP Button, Test Function, Sealable Cover.

Contactor Type 3BB101—fo	Range Amps	Class 10							
3RR101fo	Amps	Catalog No.	Price \$	Class 20 Catalog No.	Price \$	Class 10 Catalog No.	Price \$	Class 20 Catalog No.	Price \$
0110101 10	r direct moun	ting to 3RT101 con	actors						
3RT1015, 3RT1016, 3RT1017	0.1–0.4 0.4–1.6 1.5–6 3–12	3RB1016-1RB0 3RB1016-1NB0 3RB1016-1PB0 3RB1016-1SB0	72. 72. 72. 72.	3RB1016-2RB0 3RB1016-2NB0 3RB1016-2PB0 3RB1016-2SB0	72. 72. 72. 72.	3RB1015-1RB0 3RB1015-1NB0 3RB1015-1PB0 3RB1015-1SB0	67. 67. 67. 67.	3RB1015-2RB0 3RB1015-2NB0 3RB1015-2PB0 3RB1015-2SB0	67. 67. 67. 67.
3RB102—fo	r direct moun	ting to 3RT102 con	tactors		1	1	1	.1	1
3RT1023, 3RT1024, 3RT1025, 3RT1026	0.1–0.4 0.4–1.6 1.5–6 3–12 6–25	3RB1026-1RB0 3RB1026-1NB0 3RB1026-1PB0 3RB1026-1PB0 3RB1026-1SB0 3RB1026-10B0	74. 74. 74. 74. 74.	3RB1026-2RB0 3RB1026-2NB0 3RB1026-2PB0 3RB1026-2PB0 3RB1026-2SB0 3RB1026-20B0	74. 74. 74. 74. 74. 74.	3RB1025-1RB0 3RB1025-1NB0 3RB1025-1PB0 3RB1025-1SB0 3RB1025-1QB0	69. 69. 69. 69. 69.	3RB1025-2RB0 3RB1025-2NB0 3RB1025-2PB0 3RB1025-2SB0 3RB1025-2SB0 3RB1025-2QB0	69. 69. 69. 69. 69.
3RB103—fo	r direct moun	ting to 3RT103 con	tactors		1		1	1	1
3RT1033, 3RT1034, 3RT1035, 3RT1037	6—25 13—50	3RB1036-10B0 3RB1036-1UB0	88. 110.	3RB1036-20B0 3RB1036-2UB0	88. 110.	3RB1035-1QB0 3RB1035-1UB0	83. 105.	3RB1035-2QB0 3RB1035-2UB0	83. 105.
3RB104—fo	r direct moun	ting to 3RT104 con	tactors	1	1	1	1	1	1
3RT1044, 3RT1045, 3RT1046	13–50 25–100	3RB1046-1UB0 3RB1046-1EB0	140. 224.	3RB1046-2UB0 3RB1046-2EB0	140. 224.	3RB1045-1UB0 3RB1045-1EB0	130. 215.	3RB1045-2UB0 3RB1045-2EB0	130. 215.
3RB105—fo	r direct moun	ting to 3RT105 con	tactors						
3RT1054 3RT1055 3RT1056	50 -200 50 -200							3RB10565-2FW0① 3RB1055-2FG0 ②	3 3
2000 (			0.07407						
3KB106—10	r airect moun	ting to 3KT TU6 and	3K110/ CO						
3RB106 3RB107	50-250 200 -540 300 - 630	3RB1066-1GG0 3RB1066-1KG0 3RB1066-1LG0	305. 450. 800.	3RB1066-2GG0 3RB1066-2KG0 3RB1066-2LG0	305. 450. 800.	3RB1065-1GG0 3RB1065-1KG0 3RB1065-1LG0	3 3 3	3RB1065-2GG0 3RB1065-2KG0 3RB1065-2LG0	3 3 3
	3RT1017 3RB102—fo 3RT1023, 3RT1024, 3RT1025, 3RT1025, 3RT1026 3RB103—fo 3RT1034, 3RT1035, 3RT1037 3RB104—fo 3RT1044, 3RT1045, 3RT1045, 3RT1046 3RB105—fo 3RT1054 3RT1055 3RT1056 3RB106—fo 3RB106	3RT1017       1.5–6         3RB102—for direct mount         3RB102, 0.1–0.4         3RT1023, 0.1–0.4         3RT1025, 1.5–6         3RT1026       3–12         6–25         3RB103—for direct mount         3RT1034, 3RT1034, 3RT1035, 13–50         3RT1037       6–25         3RB104—for direct mount         3RT1044, 25–100         3RT1045, 3RT1045, 3RT1046         3RB105—for direct mount         3RT1045         3RT1045         3RT1045         3RT1046         3RB105—for direct mount         3RB106       50-200         3RB106       50-250         3RB107       200-540	3RT1017         1.5-6 3-12         3RB1016-1PB0 3RB1016-1SB0           3RB102—for direct mounting to 3RT102 cont 3RT1023, 3RT1024, 3RT1025, 3RT1025, 3RT1026         0.1-0.4 3RB1026-1RB0 3RB1026-1RB0 3RB1026-1PB0 3RB1026-1PB0 3RB1026-1SB0 6-25           3RB102         1.5-6 3RB1026-1SB0 6-25         3RB1026-1PB0 3RB1026-10B0           3RB103—for direct mounting to 3RT103 cont 3RT1033, 3RT1034, 3RT1035, 13-50         3RB1036-10B0 3RB1036-10B0 3RB1036-10B0           3RB104—for direct mounting to 3RT104 cont 3RT1045, 3RT1045, 3RT1045, 3RT1046         3RB1046-110B0 3RB1046-1EB0           3RB105—for direct mounting to 3RT105 cont 3RB1056         3RB1056-1FW0 3RB1056           3RB105—for direct mounting to 3RT105 cont 3RB1056-1FG0 @           3RB106—for direct mounting to 3RT106-11G0 3RB106-11G0           3RB106—for direct mounting to 3RT105 cont 3RB1066-11FG0 @	3RT1017       1.5–6 3–12       3RB1016-1PB0 3RB1016-1SB0       72. 72.         3RB102—for direct mounting to 3RT102 contactors         3RT1023, 3RT1024, 3RT1025, 3RT1026       0.1–0.4 0.4–1.6 3RB1026-1RB0 3RB1026-1RB0       74. 74.         3RB1026-1RB0 3RB1026-1B0       74. 3RB1026-1B0       74. 74.         3RB103—for direct mounting to 3RT103 contactors         3RT1034, 3RT1035, 3RT1035, 3RT1035, 3RT1044, 3RT1044, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1056       3RB1046-1UB0 3RB106-1EB0       140. 224.         3RB105—for direct mounting to 3RT105 contactors       3RB1046-1UB0 3RB106-1EB0       140. 224.         3RB105—for direct mounting to 3RT105 contactors       3RB1046-1EB0 3RB106-1EB0       275. 275.         3RB106—for direct mounting to 3RT105 and 3RT107 con 3RB106-1FG0 @ 3RB106-1FG0       305. 450.	3RT1017         1.5-6 3-12         3RB1016-1PB0 3RB1016-1SB0         72. 72.         3RB1016-2PB0 3RB1016-2SB0           3RB102—for direct mounting to 3RT102 contactors         3RB1026-1RB0 74.         74.         3RB1026-2RB0 3RB1026-2RB0 74.           3RT1025, 3RT1025, 3RT1026         0.4-1.6 3-12         3RB1026-1RB0 74.         74.         3RB1026-2RB0 74.           3RT1026         3-12         3RB1026-1B0 3RB1026-1DB0         74.         3RB1026-2RB0 3RB1026-2DB0           3RT1034, 3RT1034, 3RT1035, 3RT1035, 3RT1035, 3RT1037         6-25         3RB1026-1DB0 3RB1036-1DB0         74.         3RB1026-2DB0           3RT1034, 3RT1035, 3RT1035, 3RT1044, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1045, 3RT1046         3RB1036-1DB0 3RB1046-1UB0         88.         3RB1036-2DB0 3RB1046-2UB0           3RB105—for direct mounting to 3RT104 contactors         3RB1046-2UB0 3RB1046-2EB0         3RB1046-2UB0 3RB1046-2EB0         3RB1046-2UB0 3RB1046-2EB0           3RT1045, 3RT1045, 3RT1045         50 -200 3RB1056-1FW0 3RB1056-1FG0 @         275.         3RB1056-2FG0 @           3RB106_for direct mounting to 3RT105 and 3RT107 contactors@         3RB1056-2FG0 @         3RB1056-2FG0 @           3RB106_for direct mounting to 3RT106 and 3RT107 contactors@         3RB1056-2FG0 @         3RB1056-2FG0 @           3RB106_for direct mounting to 3RT106 and 3RT107 contactors@         3RB1066-2FG0 @         3RB1066-2FG0 @ <td>3RT1017         1.5-6 3-12         3RB1016-1PB0 3RB1016-1SB0         72. 72.         3RB1016-2PB0 3RB1016-2SB0         72. 72.           3RB102for direct mounting to 3RT102 contactors         3RB1026-2RB0 74.         74. 3RB1026-2NB0 74.         3RB1026-2RB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2DB0 74.         74. 3RB1026-2DB0 74.         74. 3RB1026-2DB0 74.         74. 3RB1026-2DB0 74.         74.           3RB103for direct mounting to 3RT103 contactors         3RB1036-10B0 3RB1036-10B0 3RB1036-10B0 3RB1036-10B0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1046-2EB0         88. 110.           3RB104for direct mounting to 3RT104 contactors         3RB1046-2DB0 3RB1046-2EB0 3RB1046-2EB0 3RB1046-2EB0         140. 224.           3RB105for direct mounting to 3RT105 contactors         3RB1046-2EB0 3RB1056-2FG0 ©         275. 3RB1056-2FG0 ©         275. 275.           3RB106for direct mounting to 3RT106 and 3RT107 contactors@         3RB1066-2FG0 ©         305. 3RB1066-2FG0 ©         305. 3RB1066-2FG0 @         305. 3RB1066-2FG0 @         305. 450.</td> <td>3RT1017         1.5–6 3–12         3RB1016-1PB0 3RB1016-1SB0         72. 72.         3RB1016-2PB0 3RB1016-2SB0         72. 72.         3RB1015-1PB0 3RB1015-1SB0           3RB102—for direct mounting to 3RT102 contactors         3RB1025-2RB0         74.         3RB1025-1RB0         74.         3RB1025-2RB0         74.         3RB1025-1NB0           3RT1024, 3RT1025, 3RT1026         0.1–0.4         3RB1026-1NB0         74.         3RB1026-2RB0         74.         3RB1025-1NB0           3RT1026         1.5–6         3RB1026-1NB0         74.         3RB1026-2RB0         74.         3RB1025-1NB0           3RT1026         1.5–6         3RB1026-1DB0         74.         3RB1026-2DB0         74.         3RB1025-10B0           3RT1026         3-12         3RB1026-1DB0         74.         3RB1026-2DB0         74.         3RB1025-10B0           3RT1036         6–25         3RB1036-10B0         3RB1036-2DB0         74.         3RB1035-10B0         3RB1035-10B0           3RT1037         6–25         3RB1036-10B0         3RB1036-2DB0         110.         3RB1035-10B0           3RT1034, 3RT1035, 3RT1035, 3RT1046         6–25         3RB1046-10B0         140.         3RB1045-10B0           3RT1044, 3RT1045, 3RT1046         13–50         3RB1046-10B0         140.         3RB1045-10B0</td> <td>3RT1017         1.5-6 3-12         3RB1016-1PB0 3RB1016-1SB0         72. 72.         3RB1016-2PB0 3RB1016-2SB0         72. 72.         3RB1015-1PB0 3RB1015-1SB0         67. 67.           3RB102—for direct mounting to 3RT102 contactors         74. 3RB1026-2RB0         74. 3RB1026-2RB0         74. 3RB1026-2RB0         74. 3RB1025-1RB0         69. 3RB1025-1RB0         3RB1025-1RB0         69. 3RB1025-1RB0         69. 3RB1025-1RB0         69. 3RB1025-1RB0         69. 3RB1025-1RB0         3RB1025-1RB0         3RB1025-1RB0         3RB1025-1RB0         3RB1025-1RB0         10. 3RB1045-1BD         3RB1045-1RB0         10. 3RB1045-1BD         3RB1045-1RB0         10. 3RB1045-1CB0         3RB1045-1CB0</td> <td>38T1017       1.5-6 3-12       38B1016-1PB0 38B1016-1SB0       72.       38B1016-2PB0 38B1016-2SB0       72.       38B1015-1PB0 3RB1015-1SB0       67.       38B1015-2PB0 3RB1015-2SB0         38B102—for direct mounting to 3RT102 contactors      </td>	3RT1017         1.5-6 3-12         3RB1016-1PB0 3RB1016-1SB0         72. 72.         3RB1016-2PB0 3RB1016-2SB0         72. 72.           3RB102for direct mounting to 3RT102 contactors         3RB1026-2RB0 74.         74. 3RB1026-2NB0 74.         3RB1026-2RB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2PB0 74.         74. 3RB1026-2DB0 74.         74. 3RB1026-2DB0 74.         74. 3RB1026-2DB0 74.         74. 3RB1026-2DB0 74.         74.           3RB103for direct mounting to 3RT103 contactors         3RB1036-10B0 3RB1036-10B0 3RB1036-10B0 3RB1036-10B0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1036-2DB0 3RB1046-2EB0         88. 110.           3RB104for direct mounting to 3RT104 contactors         3RB1046-2DB0 3RB1046-2EB0 3RB1046-2EB0 3RB1046-2EB0         140. 224.           3RB105for direct mounting to 3RT105 contactors         3RB1046-2EB0 3RB1056-2FG0 ©         275. 3RB1056-2FG0 ©         275. 275.           3RB106for direct mounting to 3RT106 and 3RT107 contactors@         3RB1066-2FG0 ©         305. 3RB1066-2FG0 ©         305. 3RB1066-2FG0 @         305. 3RB1066-2FG0 @         305. 450.	3RT1017         1.5–6 3–12         3RB1016-1PB0 3RB1016-1SB0         72. 72.         3RB1016-2PB0 3RB1016-2SB0         72. 72.         3RB1015-1PB0 3RB1015-1SB0           3RB102—for direct mounting to 3RT102 contactors         3RB1025-2RB0         74.         3RB1025-1RB0         74.         3RB1025-2RB0         74.         3RB1025-1NB0           3RT1024, 3RT1025, 3RT1026         0.1–0.4         3RB1026-1NB0         74.         3RB1026-2RB0         74.         3RB1025-1NB0           3RT1026         1.5–6         3RB1026-1NB0         74.         3RB1026-2RB0         74.         3RB1025-1NB0           3RT1026         1.5–6         3RB1026-1DB0         74.         3RB1026-2DB0         74.         3RB1025-10B0           3RT1026         3-12         3RB1026-1DB0         74.         3RB1026-2DB0         74.         3RB1025-10B0           3RT1036         6–25         3RB1036-10B0         3RB1036-2DB0         74.         3RB1035-10B0         3RB1035-10B0           3RT1037         6–25         3RB1036-10B0         3RB1036-2DB0         110.         3RB1035-10B0           3RT1034, 3RT1035, 3RT1035, 3RT1046         6–25         3RB1046-10B0         140.         3RB1045-10B0           3RT1044, 3RT1045, 3RT1046         13–50         3RB1046-10B0         140.         3RB1045-10B0	3RT1017         1.5-6 3-12         3RB1016-1PB0 3RB1016-1SB0         72. 72.         3RB1016-2PB0 3RB1016-2SB0         72. 72.         3RB1015-1PB0 3RB1015-1SB0         67. 67.           3RB102—for direct mounting to 3RT102 contactors         74. 3RB1026-2RB0         74. 3RB1026-2RB0         74. 3RB1026-2RB0         74. 3RB1025-1RB0         69. 3RB1025-1RB0         3RB1025-1RB0         69. 3RB1025-1RB0         69. 3RB1025-1RB0         69. 3RB1025-1RB0         69. 3RB1025-1RB0         3RB1025-1RB0         3RB1025-1RB0         3RB1025-1RB0         3RB1025-1RB0         10. 3RB1045-1BD         3RB1045-1RB0         10. 3RB1045-1BD         3RB1045-1RB0         10. 3RB1045-1CB0         3RB1045-1CB0	38T1017       1.5-6 3-12       38B1016-1PB0 38B1016-1SB0       72.       38B1016-2PB0 38B1016-2SB0       72.       38B1015-1PB0 3RB1015-1SB0       67.       38B1015-2PB0 3RB1015-2SB0         38B102—for direct mounting to 3RT102 contactors

Overload contains pass through windows.
 Overload has busbar connections.
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