

Solid-State Switching Devices

Solid-State Contactors

SIRIUS SC semiconductor contactors single phase selection

Type current ¹⁾	Maximum achievable power for I_{max} and $U_e =$			Screw connection	Spring-loaded connection	Ring cable connection	Std. Pack Qty	Weight per pack approx.
I_{max}	115 V	230 V	400 V	Order No.	Order No.	Order No.		kg
A	kW	kW	kW					
Instantaneous switching, rated operational voltage $U_e = 24$ V to 230 V								
10.5	1.2	2.4	-	3RF23 10-1BA□2	-	-	1 unit	0.136
20	2.3	4.6	-	3RF23 20-1BA□2	-	-	1 unit	0.204
30	3.5	6.9	-	3RF23 30-1BA□2	-	-	1 unit	0.354
40	4.6	9.2	-	3RF23 40-1BA□2	-	-	1 unit	0.496
50	6	12	-	3RF23 50-1BA□2	-	-	1 unit	0.496
70	8	16	-	3RF23 70-1BA□2	-	3RF23 70-3BA□2	1 unit	0.944
88	10	20	-	3RF23 90-1BA□2	-	3RF23 90-3BA□2	1 unit	2.600
Instantaneous switching, rated operational voltage $U_e = 48$ V to 460 V								
10.5	-	2.4	4.2	3RF23 10-1BA□4	-	-	1 unit	0.136
20	-	4.6	8	3RF23 20-1BA□4	-	-	1 unit	0.204
30	-	6.9	12	3RF23 30-1BA□4	-	-	1 unit	0.354
40	-	9.2	16	3RF23 40-1BA□4	-	-	1 unit	0.496
50	-	12	20	3RF23 50-1BA□4	-	-	1 unit	0.496
70	-	16	28	3RF23 70-1BA□4	-	3RF23 70-3BA□4	1 unit	0.944
88	-	20	35	3RF23 90-1BA□4	-	3RF23 90-3BA□4	1 unit	2.600
Zero-point switching, rated operational voltage $U_e = 48$ V to 600 V, control 110 V to 230 V								
30	-	-	-	3RF23 30-1AA25	-	-	1 unit	0.400
Instantaneous switching, rated operational voltage $U_e = 48$ V to 600 V, blocking voltage 1600 V								
10.5	-	-	4.2	3RF23 10-1BA□6	-	-	1 unit	0.136
20	-	-	8	3RF23 20-1BA□6	-	-	1 unit	0.204
30	-	-	12	3RF23 30-1BA□6	-	-	1 unit	0.354
40	-	-	16	3RF23 40-1BA□6	-	-	1 unit	0.496
50	-	-	20	3RF23 50-1BA□6	-	-	1 unit	0.496
70	-	-	28	3RF23 70-1BA□6	-	3RF23 70-3BA□6	1 unit	0.944
88	-	-	35	3RF23 90-1BA□6	-	3RF23 90-3BA□6	1 unit	2.600
Low noise, zero-point switching, rated operational voltage $U_e = 24$ V to 230 V								
20	2.3	4.6	-	3RF23 20-1CA□2	3RF23 20-2CA□2	-	1 unit	0.204
30	-	-	-	3RF23 30-1CA□2	-	-	1 unit	0.204
Low noise, zero-point switching, rated operational voltage $U_e = 48$ V to 460 V								
20	-	4.6	8	3RF23 20-1CA□4	3RF23 20-2CA□4	-	1 unit	0.204
Instantaneous switching, rated operational voltage $U_e = 48$ V to 460 V, control DC 4 ... 30 V switching								
20	-	-	-	3RF23 20-1BA44	-	-	1 unit	0.240
30	-	-	-	3RF23 30-1BA44	-	-	1 unit	0.400
50	-	-	-	3RF23 50-1BA44	-	-	1 unit	0.550
Short-circuit resistant with B-automatic device, zero-point switching, rated operational voltage $U_e = 24$ V to 230 V								
20	2.3	4.6	-	3RF23 20-1DA□2	3RF23 20-2DA22	3RF23 20-3DA□2	1 unit	0.204
Short-circuit resistant with B-automatic device, zero-point switching, rated operational voltage $U_e = 48$ V to 460 V								
20	-	4.6	8	3RF23 20-1DA□4	3RF23 20-2DA24	3RF23 20-3DA□4	1 unit	0.204
Low noise, zero-point switching, rated operational voltage $U_e = 48$ V to 460 V, control 4 V to 30 V DC								
70	-	-	28	3RF21 70-1CA04	-	-	1 unit	0.240
Order No. extension for rated control supply voltage U_s								
DC 24 V acc. to EN 61131-2				0	0	0		
AC 110 V ... 230 V				2	2	2		

Other rated control supply voltages on request.

1) The type current provides information about the performance of the semiconductor contactor. The actual permitted operational current I_e can be smaller depending on the connection method and start-up conditions. Derating acc. to curves from page 7/45, 7/46, 7/47.

Version	Order No.	Std. Pack Qty	Weight per pack approx.
			kg

Accessories



3RF29 00-3PA88

Terminal cover for 3RF21 semiconductor relays and 3RF23 semiconductor contactors with ring terminal end (after simple adaptation, this terminal cover can also be used for screw connection).

3RF29 00-3PA88 10 units 0.010