

## Switching devices – Soft starters and solid-state switching devices

Solid-state switching devices for resistive/inductive loads

Solid-state contactors

## SIRIUS 3RF23 solid-state contactors, 1-phase



## Selection and ordering data

## Selection notes

The solid-state contactors are selected on the basis of details of the network, the load and the ambient conditions. As the solid-state contactors are already equipped with an optimally matched heat sink, the selection process is considerably simpler than that for solid-state relays.

The following procedure is recommended:

- Determine the rated current of the load and the mains voltage
- Select a solid-state contactor with the same or higher rated current than the load

Type current/ performance capacity <sup>1)</sup> $I_{max}$	Rated control supply voltage $U_s$	SD	Screw terminals	⊕	PU (UNIT, SET, M)	PS*	PG	
A	V	d	Article No.	Price per PU				
<b>Zero-point switching · Integrated heat sink, rated operational voltage <math>U_e</math> 24 ... 230 V AC</b>								
 3RF2310-1	10.5	24 DC	2	3RF2310-1AA02		1	1 unit 41C	
	20		2	3RF2320-1AA02		1	1 unit 41C	
	30		2	3RF2330-1AA02		1	1 unit 41C	
	40		2	3RF2340-1AA02		1	1 unit 41C	
	50		2	3RF2350-1AA02		1	1 unit 41C	
	20	24 DC Low Power	2	3RF2320-1AA02-0KN0		1	1 unit 41C	
	10.5	24 AC/DC	2	3RF2310-1AA12		1	1 unit 41C	
	10.5	110 ... 230 AC	2	3RF2310-1AA22		1	1 unit 41C	
	20		2	3RF2320-1AA22		1	1 unit 41C	
	30		2	3RF2330-1AA22		1	1 unit 41C	
	40		5	3RF2340-1AA22		1	1 unit 41C	
	50		2	3RF2350-1AA22		1	1 unit 41C	
	<b>Zero-point switching · Integrated heat sink, rated operational voltage <math>U_e</math> 48 ... 460 V AC</b>							
	 3RF2320-1	10.5	24 DC	2	3RF2310-1AA04		1	1 unit 41C
20			2	3RF2320-1AA04		1	1 unit 41C	
30			2	3RF2330-1AA04		1	1 unit 41C	
40			2	3RF2340-1AA04		1	1 unit 41C	
50			2	3RF2350-1AA04		1	1 unit 41C	
10.5		24 DC Low Power	2	3RF2310-1AA04-0KN0		1	1 unit 41C	
10.5		24 AC/DC	2	3RF2310-1AA14		1	1 unit 41C	
20			5	3RF2320-1AA14		1	1 unit 41C	
30			2	3RF2330-1AA14		1	1 unit 41C	
40			5	3RF2340-1AA14		1	1 unit 41C	
50			5	3RF2350-1AA14		1	1 unit 41C	
10.5		110 ... 230 AC	2	3RF2310-1AA24		1	1 unit 41C	
20			2	3RF2320-1AA24		1	1 unit 41C	
30			2	3RF2330-1AA24		1	1 unit 41C	
40			2	3RF2340-1AA24		1	1 unit 41C	
50			2	3RF2350-1AA24		1	1 unit 41C	
10.5		4 ... 30 DC	2	3RF2310-1AA44		1	1 unit 41C	
20			2	3RF2320-1AA44		1	1 unit 41C	
30			2	3RF2330-1AA44		1	1 unit 41C	

<sup>1)</sup> The type current provides information about the performance of the solid-state contactor. The actual permitted rated operational current  $I_e$  can be smaller depending on the installation conditions. For derating characteristic curves, see page 6/118, "More information".

Other rated control supply voltages on request.

For accessories, see page 6/143.