

The Siemens logo is displayed in a white rectangular box in the upper right corner of the page. The background of the entire top half of the page is a photograph of a large industrial facility at night, featuring complex piping, structural steel, and bright artificial lighting.

SIEMENS

3RW52 SIRIUS Soft Starter

Quick start menu

The new family of SIRIUS Soft Starters has been innovated by the 3RW5 series, making soft starting and stopping as versatile as any customer application, from basic to high performance. High degree of functionality, simple to control and commission, and extensive diagnostics functionality with communication packaged in a compact design are only some of the reasons why the SIRIUS 3RW5 is a great choice for starting and stopping inductive motors.

Features

- Easy commissioning with six potentiometer selection
- Compact design
- Internal bypass
- Internal overload and self-device protection
- Voltage, current limit with soft torque control starting options
- Ground fault protection
- Profinet, Profibus DP, Ethernet/IP or Modbus TCP communication options
- Programmable inputs and outputs
- Controlled via digital inputs, network (optional) or operator interface HMI (optional)
- Voltage, current, elapsed time, and start counter measuring with diagnostic capability
- Parameterization software for use with PCs

The 3RW52 comes with six potentiometers inside the cover to make initial commissioning and startup easy in six steps. Here is the quick start guide to allow you to set up your application to get up and running quickly. Details on all parameters are also shown to the right. Any changes to the configuration must be done by turning the potentiometers, not on any attached HMI screen.



As versatile as your application.
The next generation of SIRIUS Soft Starters.



SIRIUS 3RW52 soft starters

Overview of parameters

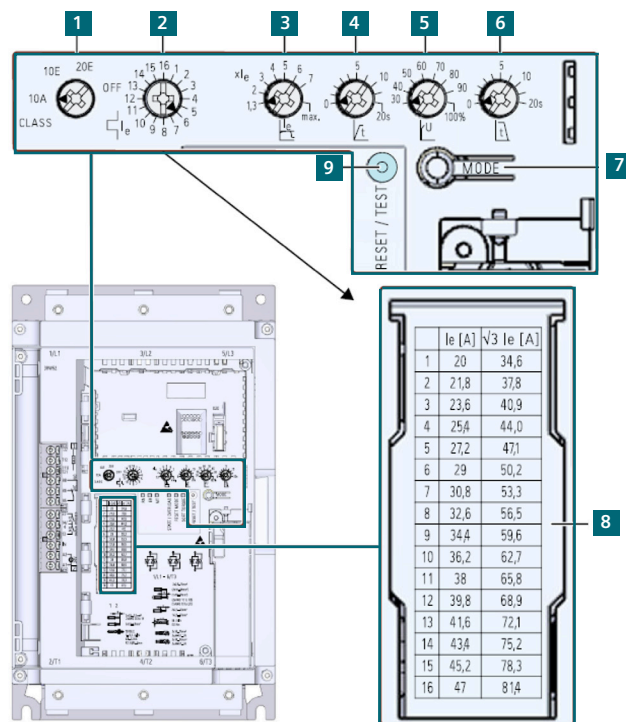
Parameters	Symbol	Setting range	Factory setting
Trip class for motor overload protection	CLASS	10A, 10E, 20E, OFF	10A
Rated operational current I_e of the motor ¹⁾		1 ... 16 ²⁾	16
Current rating value as a multiple of the set rated operational current I_e of the motor		1.3 ... 7 x I_e Max.	4 x I_e
Ramp-up time		<ul style="list-style-type: none"> 0 ... 200 s If parameter value "0" is set, the motor is switched on with a ramp-up time of approx. 100 ms. 	10 s
Starting voltage		30 ... 100%	30%
Ramp-down time		0 ... 20 s	0 s
Soft torque	SOFT TORQUE <input type="checkbox"/> 	<ul style="list-style-type: none"> Off (LED off) On (LED on) 	Off
Reset mode	RESET MODE <input type="checkbox"/> 	<ul style="list-style-type: none"> Manual RESET (LED off) Remote RESET (LED flashes green) Auto RESET (LED lit green) 	Manual RESET

¹⁾ The rated operational current I_e of the motor may, according to the standard, may deviate by 20% from the rating plate specification of the manufacturer.

²⁾ For meaning of scale, refer to laser-cut table on front panel of device.

Hands-On with SIRIUS 3RW52 Soft Starters

More details of parameterization via rotary knobs



- 1 CLASS setting for motor overload protection
- 2 Rated operational current I_e of the motor
- 3 Current limiting factor as a multiple of the set rated operational current I_e of the motor
- 4 Ramp-up time
- 5 Starting voltage
- 6 Ramp-down time
- 7 MODE key
 - Parameterization of RESET MODE
 - Deactivation / activation of SOFT TORQUE
 - Parameterization of ON / RUN relay output
- 8 Scale of rated operational I_e of the motor
- 9 RESET / TEST key
 - Error acknowledgment
 - Performing the user test
 - Parameterization of ON / RUN relay output

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