

Overview



		SIRIUS 3RW30 Standard applications	SIRIUS 3RW40 Standard applications	SIRIUS 3RW44 High Feature applications
Rated current at 40 °C	A	3 ... 106	12,5 ... 432	29 ... 1 214
Rated operational voltage	V	200 ... 480	200 ... 600	200 ... 690 ⁸⁾
Motor rating at 400 V				
• Standard circuit	kW	1.5 ... 55	5.5 ... 250	15 ... 710
	hp	1.5 ... 75	7.5 ... 300	15 ... 950
• Inside-delta circuit	kW	--	--	22 ... 1 200
	hp	--	--	30 ... 1 700
Ambient temperature	°C	-25 ... +60	-25 ... +60	0 ... +60
Soft starting/stopping		✓ ¹⁾	✓	✓
Voltage ramp		✓	✓	✓
Start/stop voltage	%	40 ... 100	40 ... 100	20 ... 100
Starting and stopping time	s	0 ... 20 ¹⁾	0 ... 20	1 ... 360
Torque control		--	--	✓
Start/stop torque	%	--	--	20 ... 100
Torque limiting	%	--	--	20 ... 200
Ramp time	s	--	--	1 ... 360
Integral bypass contact system		✓	✓	✓
Intrinsic device protection		--	✓	✓
Motor overload protection		--	✓ ⁷⁾	✓
Thermistor motor protection		--	✓ ²⁾	✓
Integrated remote RESET		--	✓ ³⁾	✓
Adjustable current limiting		--	✓	✓
Inside-delta circuit		--	--	✓
Breakaway pulse		--	--	✓
Slow speed in both directions of rotation		--	--	✓
Pump stop (torque control)		--	--	✓ ⁴⁾
DC braking		--	--	✓ ⁴⁾ 5)
Combined braking		--	--	✓ ⁴⁾ 5)
Motor heating		--	--	✓
Communication		--	--	with PROFIBUS DP (option)
External display and operator control module		--	--	(option)
Operating measured value display		--	--	✓
Error logbook		--	--	✓
Event list		--	--	✓
Slave pointer function		--	--	✓
Trace function		--	--	✓ ⁶⁾
Programmable control inputs and outputs		--	--	✓
Number of parameter sets		1	1	3
Parameterization software (Soft Starter ES)		--	--	✓
Power semiconductors (thyristors)		2 controlled phases	2 controlled phases	3 controlled phases
Screw terminals		✓	✓	✓
Spring-type terminals		✓	✓	✓
UL/CSA		✓	✓	✓
CE marking		✓	✓	✓
Soft start under heavy starting conditions		--	--	✓ ⁴⁾

Configuration support

Win-Soft Starter, electronic selection tool, Technical Assistance +49 (911) 895-5900

✓ Function is available, -- Function is not available

¹⁾ Only soft starting with 3RW30.²⁾ Optionally up to size S3 (device version).³⁾ For 3RW40 2. to 3RW40 4.; for 3RW40 5. and 3RW40 7. optional.⁴⁾ Oversize the soft starter and motor if necessary.⁵⁾ Not possible in inside-delta circuit.⁶⁾ Trace function with Soft Starter ES software.⁷⁾ If the motor overload protection is used according to ATEX, an upstream contactor must be used.⁸⁾ In inside-delta circuit up to 600 V.

More information can be found on the Internet under:

www.siemens.com/softstarter