## SIEMENS

## Data sheet

## 3RW5235-6TC14



SIRIUS soft starter 200-480 V 143 A, 110-250 V AC Screw terminals Thermistor input

product brand name	SIRIUS			
product category	Hybrid switching devices			
product designation	Soft starter			
product type designation	3RW52			
manufacturer's article number				
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS00			
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>			
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00			
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>			
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>			
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>			
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>			
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2220-7MN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10			
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6: Type of coordination 1, Iq = 65 kA			
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	<u>3NA3244-6; Type of coordination 1, Iq = 65 kA</u>			
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1227-0: Type of coordination 2. Iq = 65 kA</u>			
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE3334-0B; Type of coordination 2, Iq = 65 kA</u>			
General technical data				
starting voltage [%]	30 100 %			
stopping voltage [%]	50 50 %			
start-up ramp time of soft starter	0 20 s			
current limiting value [%] adjustable	130 700 %			
certificate of suitability				
CE marking	Yes			
UL approval	Yes			
CSA approval	Yes			
product component is supported				
HMI-Standard	Yes			
HMI-High Feature	Yes			
product feature integrated bypass contact system	Yes			
number of controlled phases	3			
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2			
buffering time in the event of power failure				
<ul> <li>for main current circuit</li> </ul>	100 ms			
<ul> <li>for control circuit</li> </ul>	100 ms			

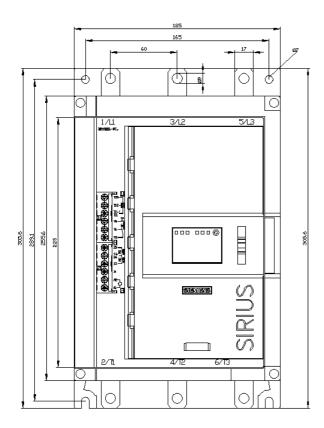
	200.)/				
insulation voltage rated value	600 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	6 kV				
blocking voltage of the thyristor maximum	1 400 V				
service factor	1				
surge voltage resistance rated value	6 kV				
maximum permissible voltage for safe isolation					
between main and auxiliary circuit	600 V				
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting				
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz				
utilization category acc. to IEC 60947-4-2	AC 53a				
reference code acc. to IEC 81346-2	Q				
Substance Prohibitance (Date)	15.02.2018 00:00:00				
product function					
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes				
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes				
Soft Torque	Yes				
<ul> <li>adjustable current limitation</li> </ul>	Yes				
<ul> <li>pump ramp down</li> </ul>	Yes				
<ul> <li>intrinsic device protection</li> </ul>	Yes				
<ul> <li>motor overload protection</li> </ul>	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)				
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick				
inside-delta circuit	Yes				
• auto-RESET	Yes				
• manual RESET	Yes				
remote reset	Yes; By turning off the control supply voltage				
communication function	Yes				
operating measured value display	Yes; Only in conjunction with special accessories				
error logbook	Yes; Only in conjunction with special accessories				
via software parameterizable	No				
via software parameterizable     via software configurable	Yes				
PROFlenergy	Yes; in connection with the PROFINET Standard communication				
• Ficonenergy	module				
<ul> <li>firmware update</li> </ul>	Yes				
<ul> <li>removable terminal for control circuit</li> </ul>	Yes				
torque control	No				
analog output	No				
Power Electronics					
operational current					
<ul> <li>at 40 °C rated value</li> </ul>	143 A				
at 50 °C rated value	128 A				
• at 60 °C rated value	118 A				
operational current at inside-delta circuit					
at 40 °C rated value	248 A				
• at 50 °C rated value	222 A				
• at 60 °C rated value	204 A				
operating voltage					
rated value	200 480 V				
at inside-delta circuit rated value	200 480 V				
relative negative tolerance of the operating voltage	-15 %				
relative positive tolerance of the operating voltage	10 %				
relative negative tolerance of the operating voltage at	-15 %				
inside-delta circuit relative positive tolerance of the operating voltage at	10 %				
inside-delta circuit					
operating power for 3-phase motors					
• at 230 V at 40 °C rated value	37 kW				
• at 230 V at inside-delta circuit at 40 °C rated value	75 kW				
• at 400 V at 40 °C rated value	75 kW				
• at 400 V at inside-delta circuit at 40 °C rated value	132 kW				

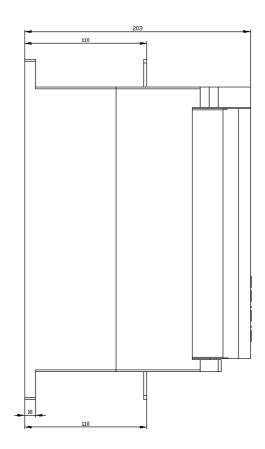
Operating frequency 2 rade value         60 Hz           relative negative tolerance of the operating frequency         10 %           adjustable motor current         64 A           - at rotary coding switch on switch position 1         68 A           - at rotary coding switch on switch position 2         73 A           - at rotary coding switch on switch position 3         78 A           - at rotary coding switch on switch position 4         83 A           - at rotary coding switch on switch position 5         98 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position 1         118 A           - at rotary coding switch on switch position	Operating frequency 1 rated value	50 Hz				
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		78 A				
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	<ul> <li>at rotary coding switch on switch position 5</li> </ul>	88 A				
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switch position 4152 A• for inside-delta circuit at rotary coding switch on switch position 6161 A• for inside-delta circuit at rotary coding switch on switch position 7170 A• for inside-delta circuit at rotary coding switch on switch position 7178 A• for inside-delta circuit at rotary coding switch on switch position 9178 A• for inside-delta circuit at rotary coding switch on switch position 10187 A• for inside-delta circuit at rotary coding switch on switch position 10196 A• for inside-delta circuit at rotary coding switch on switch position 11204 A• for inside-delta circuit at rotary coding switch on switch position 112213 A• for inside-delta circuit at rotary coding switch on switch position 12222 A• for inside-delta circuit at rotary coding switch on switch position 13230 A• for inside-delta circuit at rotary coding switch on switch position 14230 A• for inside-delta circuit at rotary coding switch on switch position 15248 A• for inside-delta circuit at rotary coding switch on switch position 16248 A• for inside-delta circuit at rotary coding switch on switch position 1655 W• for inside-delta circuit at rotary coding switch on switch position 1655 W• for inside-delta circuit at rotary coding switch on switch position 1655 W• for inside-delta circuit at rotary coding switch on switch position 1655 W• for inside-delta circuit at rotary coding switch on switch position 1655 W• for inside-delta circuit at rotary coding s	switch position 3					
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switch position 6170 A• for inside-delta circuit at rotary coding switch on switch position 7170 A• for inside-delta circuit at rotary coding switch on switch position 8178 A• for inside-delta circuit at rotary coding switch on switch position 10187 A• for inside-delta circuit at rotary coding switch on switch position 10196 A• for inside-delta circuit at rotary coding switch on switch position 11204 A• for inside-delta circuit at rotary coding switch on switch position 12213 A• for inside-delta circuit at rotary coding switch on switch position 12222 A• for inside-delta circuit at rotary coding switch on switch position 13230 A• for inside-delta circuit at rotary coding switch on switch position 14230 A• for inside-delta circuit at rotary coding switch on switch position 15248 A• for inside-delta circuit at rotary coding switch on switch position 16118 A• at inside-delta circuit at rotary coding switch on switch position 15128 A• for inside-delta circuit at rotary coding switch on switch position 16118 A• for inside-delta circuit at rotary coding switch on switch position 16118 A• at inside-delta circuit at rotary coding switch on switch position 1615 %; Relative to smallest settable le• at a 0 °C after startup55 W• at 40 °C after startup50 W• at 60 °C after startup50 W• at 60 °C after startup50 W• at 60 °C after startup2127 W	switch position 5					
switch position 7178 A• for inside-delta circuit at rotary coding switch on switch position 8178 A• for inside-delta circuit at rotary coding switch on switch position 9187 A• for inside-delta circuit at rotary coding switch on switch position 10196 A• for inside-delta circuit at rotary coding switch on switch position 11204 A• for inside-delta circuit at rotary coding switch on switch position 11213 A• for inside-delta circuit at rotary coding switch on switch position 12213 A• for inside-delta circuit at rotary coding switch on switch position 13230 A• for inside-delta circuit at rotary coding switch on switch position 14230 A• for inside-delta circuit at rotary coding switch on switch position 15239 A• for inside-delta circuit at rotary coding switch on switch position 16248 A• for inside-delta circuit at rotary coding switch on switch position 15248 A• for inside-delta circuit at rotary coding switch on switch position 1615 %; Relative to smallest settable le• at inside-delta circuit at rotary coding switch on switch position 1615 %; Relative to smallest settable le• at a 0°C after startup55 W• at 0°C after startup50 W• at 60 °C after startup47 W• at 0° C after startup2127 W	switch position 6					
switch position 8IBY A• for inside-delta circuit at rotary coding switch on switch position 9196 A• for inside-delta circuit at rotary coding switch on switch position 10204 A• for inside-delta circuit at rotary coding switch on switch position 11204 A• for inside-delta circuit at rotary coding switch on switch position 12213 A• for inside-delta circuit at rotary coding switch on switch position 12222 A• for inside-delta circuit at rotary coding switch on switch position 13230 A• for inside-delta circuit at rotary coding switch on switch position 14239 A• for inside-delta circuit at rotary coding switch on switch position 15248 A• for inside-delta circuit at rotary coding switch on switch position 16215 %; Relative to smallest settable le• for inside-delta circuit at rotary coding switch on switch position 1555 W• for inside-delta circuit at rotary coding switch on switch position 1655 W• at inside-delta circuit at rotary coding switch on switch position 1655 W• at on °C after startup50 W• at 40 °C after startup50 W• at 60 °C after startup50 W• at 60 °C after startup47 W• at 40 °C during startup2 127 W	switch position 7					
switch position 9196 A• for inside-delta circuit at rotary coding switch on switch position 10204 A• for inside-delta circuit at rotary coding switch on switch position 11204 A• for inside-delta circuit at rotary coding switch on switch position 12213 A• for inside-delta circuit at rotary coding switch on switch position 13222 A• for inside-delta circuit at rotary coding switch on switch position 13230 A• for inside-delta circuit at rotary coding switch on switch position 14230 A• for inside-delta circuit at rotary coding switch on switch position 15239 A• for inside-delta circuit at rotary coding switch on switch position 16248 A• for inside-delta circuit at rotary coding switch on switch position 16248 A• at inside-delta circuit at rotary coding switch on switch position 1655 W• at a 0°C after startup50 W• at 40 °C after startup50 W• at 60 °C after startup50 W• at 40 °C during startup212 W	switch position 8					
switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum for inside-delta circuit at rotary coding switch on switch position 16 • at sole Cafter startup • at 40 °C after startup • at 60 °C after startup • at 60 °C after startup • at 40 °C during startup	switch position 9					
switch position 11213 A• for inside-delta circuit at rotary coding switch on switch position 12213 A• for inside-delta circuit at rotary coding switch on switch position 13222 A• for inside-delta circuit at rotary coding switch on switch position 14230 A• for inside-delta circuit at rotary coding switch on switch position 14239 A• for inside-delta circuit at rotary coding switch on switch position 15248 A• for inside-delta circuit at rotary coding switch on switch position 16118 A• at inside-delta circuit minimum118 A• at 40 °C after startup • at 60 °C after startup55 W• at 0 °C after startup • at 40 °C during startup20 W• at 0 °C during startup21 27 W	switch position 10					
• for inside-delta circuit at rotary coding switch on switch position 13222 A• for inside-delta circuit at rotary coding switch on switch position 14230 A• for inside-delta circuit at rotary coding switch on switch position 15239 A• for inside-delta circuit at rotary coding switch on switch position 15248 A• for inside-delta circuit at rotary coding switch on switch position 16248 A• for inside-delta circuit minimum118 Aminimum load [%]15 %; Relative to smallest settable lepower loss [W] for rated value of the current at AC • at 40 °C after startup55 W• at 60 °C after startup50 W• at 60 °C after startup2127 W	switch position 11	213 A				
• for inside-delta circuit at rotary coding switch on switch position 14230 A• for inside-delta circuit at rotary coding switch on switch position 15239 A• for inside-delta circuit at rotary coding switch on switch position 16248 A• at inside-delta circuit minimum118 Aminimum load [%]15 %; Relative to smallest settable le• at 40 °C after startup55 W• at 40 °C after startup50 W• at 60 °C after startup20 W• at 40 °C after startup2127 W	<ul> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	222 A				
• for inside-delta circuit at rotary coding switch on switch position 15239 A• for inside-delta circuit at rotary coding switch on switch position 16248 A• at inside-delta circuit minimum118 Aminimum load [%]15 %; Relative to smallest settable le• at 40 °C after startup55 W• at 60 °C after startup50 W• at 40 °C after startup50 W• at 60 °C after startup2127 W	• for inside-delta circuit at rotary coding switch on	230 A				
• for inside-delta circuit at rotary coding switch on switch position 16248 A• at inside-delta circuit minimum118 Aminimum load [%]15 %; Relative to smallest settable lepower loss [W] for rated value of the current at AC-• at 40 °C after startup55 W• at 50 °C after startup50 W• at 60 °C after startup47 Wpower loss [W] at AC at current limitation 350 %-• at 40 °C during startup2 127 W	<ul> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	239 A				
• at inside-delta circuit minimum118 Aminimum load [%]15 %; Relative to smallest settable lepower loss [W] for rated value of the current at AC55 W• at 40 °C after startup55 W• at 50 °C after startup50 W• at 60 °C after startup47 Wpower loss [W] at AC at current limitation 350 %2127 W	<ul> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	248 A				
minimum load [%]15 %; Relative to smallest settable lepower loss [W] for rated value of the current at AC-• at 40 °C after startup55 W• at 50 °C after startup50 W• at 60 °C after startup47 Wpower loss [W] at AC at current limitation 350 %-• at 40 °C during startup2 127 W		118 A				
power loss [W] for rated value of the current at AC• at 40 °C after startup55 W• at 50 °C after startup50 W• at 60 °C after startup47 Wpower loss [W] at AC at current limitation 350 %2 127 W						
• at 40 °C after startup55 W• at 50 °C after startup50 W• at 60 °C after startup47 W• power loss [W] at AC at current limitation 350 %2 127 W						
• at 50 °C after startup         50 W           • at 60 °C after startup         47 W           • power loss [W] at AC at current limitation 350 %         2 127 W		55 W				
• at 60 °C after startup     47 W       power loss [W] at AC at current limitation 350 %     2 127 W	•					
power loss [W] at AC at current limitation 350 %       • at 40 °C during startup       2 127 W						
• at 40 °C during startup 2 127 W						
		2 127 W				
• at 50 °C during startup 1 807 W		1 807 W				

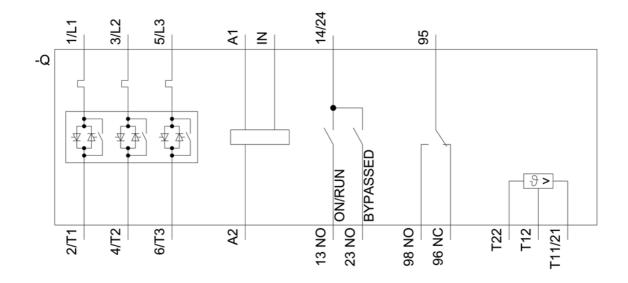
• at 60 °C during startup	1 605 W				
Control circuit/ Control					
type of voltage of the control supply voltage	AC				
control supply voltage at AC					
• at 50 Hz	110 250 V				
• at 60 Hz	110 250 V				
relative negative tolerance of the control supply	-15 %				
voltage at AC at 50 Hz					
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %				
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %				
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %				
control supply voltage frequency	50 60 Hz				
relative negative tolerance of the control supply voltage frequency	-10 %				
relative positive tolerance of the control supply voltage frequency	10 %				
control supply current in standby mode rated value	30 mA				
holding current in bypass operation rated value	75 mA				
locked-rotor current at close of bypass contact maximum	2.5 A				
inrush current peak at application of control supply voltage maximum	12.2 A -				
duration of inrush current peak at application of control supply voltage	2.2 ms				
design of the overvoltage protection	Varistor				
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply				
Inputs/ Outputs					
number of digital inputs	1				
number of inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick				
number of digital outputs	3				
<ul> <li>not parameterizable</li> </ul>	2				
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)				
number of analog outputs	0				
switching capacity current of the relay outputs					
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	3 A				
<ul> <li>at DC-13 at 24 V rated value</li> </ul>	1 A				
Installation/ mounting/ dimensions					
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back				
fastening method	screw fixing				
height	306 mm				
width	185 mm				
depth	203 mm				
required spacing with side-by-side mounting					
forwards	10 mm				
backwards	0 mm				
• upwards	100 mm				
downwards	75 mm				
the side     weight without packaging	5 mm				
	6.6 kg				
Connections/ Terminals					
type of electrical connection	husbar connection				
<ul> <li>for main current circuit</li> <li>for control circuit</li> </ul>	busbar connection				
	screw-type terminals				
width of connection bar maximum wire length for thermistor connection	25 mm				
with conductor cross-section = 0.5 mm <sup>2</sup> maximum	50 m				

<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul>					
	150 m				
• with conductor cross-section = 2.5 mm <sup>2</sup> maximum	250 m				
type of connectable conductor cross-sections	$2x (46 - 05 mm^2)$				
for DIN cable lug for main contacts stranded	$2x (16 95 mm^2)$				
for DIN cable lug for main contacts finely stranded	2x (25 120 mm²)				
type of connectable conductor cross-sections	$1_{1_{1_{1_{1_{1_{1_{1_{1_{1_{1_{1_{1_{1$				
<ul> <li>for control circuit solid</li> <li>for control circuit finely stranded with core end</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)				
processing	TX (0.5 2.5 mm), 2X (0.5 1.5 mm)				
<ul> <li>at AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)				
wire length					
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m				
<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m				
tightening torque					
<ul> <li>for main contacts with screw-type terminals</li> </ul>	10 14 N·m				
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	0.8 1.2 N·m				
terminals					
tightening torque [lbf·in]					
<ul> <li>for main contacts with screw-type terminals</li> </ul>	89 124 lbf·in				
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf·in				
Ambient conditions					
	5 000 m: Derating as of 1000 m and actual				
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog				
ambient temperature	25 ±60 °C: Plage absence denoting at temperatures of 40 °C				
<ul> <li>during operation</li> </ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or above				
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C				
environmental category					
<ul> <li>during operation acc. to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt				
	mist), 3S2 (sand must not get into the devices), 3M6				
<ul> <li>during storage acc. to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must				
	not get inside the devices), 1M4				
during transport acc. to IEC 60721  EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
	acc. to IEC 60947-4-2: Class A				
Communication/ Protocol					
communication module is supported					
PROFINET standard	Yes				
EtherNet/IP	Yes				
<ul><li>EtherNet/IP</li><li>Modbus RTU</li></ul>	Yes Yes				
<ul><li>EtherNet/IP</li><li>Modbus RTU</li><li>Modbus TCP</li></ul>	Yes Yes				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul>	Yes Yes				
<ul><li>EtherNet/IP</li><li>Modbus RTU</li><li>Modbus TCP</li></ul>	Yes Yes				
EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes				
EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings manufacturer's article number     of circuit breaker	Yes Yes Yes				
EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker     — usable for Standard Faults at 460/480 V	Yes Yes				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA				
EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker     — usable for Standard Faults at 460/480 V	Yes Yes Yes				
EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker	Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> <b>UL/CSA ratings manufacturer's article number</b> <ul> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> <b>UL/CSA ratings manufacturer's article number</b> <ul> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
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<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> <b>UL/CSA ratings manufacturer's article number</b> <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults up to 575/600 V</li> </ul>	Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				

— usable for	High Faults at inside-delta cir	cuit up	Type: Cla	ss J / L, max. 35	50 A; Iq = 100 kA		
to 575/600 V	to 575/600 V according to UL						
operating power [hp	o] for 3-phase motors						
	t 50 °C rated value		40 hp				
<ul> <li>at 220/230 V at</li> </ul>	t 50 °C rated value		40 hp				
<ul> <li>at 460/480 V at</li> </ul>	t 50 °C rated value		100 hp				
<ul> <li>at 200/208 V at value</li> </ul>	t inside-delta circuit at 50 °C ra	ated	75 hp				
● at 220/230 V at value	t inside-delta circuit at 50 °C ra	ated	75 hp				
● at 460/480 V at value	t inside-delta circuit at 50 °C ra	ated	150 hp				
contact rating of au	xiliary contacts according to	o UL	R300-B3	00			
Safety related data							
protection class IP	on the front acc. to IEC 6052	29	IP00; IP2	0 with cover			
touch protection on	the front acc. to IEC 60529		finger-saf	e, for vertical co	ntact from the front wit	h cover	
electromagnetic cor	mpatibility		in accord	ance with IEC 60	)947-4-2		
Certificates/ approval	ls						
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General Product Ap	oproval				EMC	Conformity	
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Simulation Tool for	Soft Starters (STS)						
https://support.industry.siemens.com/cs/ww/en/view/101494917							







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