## SIEMENS

## Data sheet

## 3RW5243-2TC14



SIRIUS soft starter 200-480 V 210 A, 110-250 V AC spring-type 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>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10	
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	<u>3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</u>	
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3354-6; Type of coordination 1, Iq = 65 kA	
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	2x3NA3354-6; Type of coordination 1, Iq = 65 kA	
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1230-2: 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>3NE3333; 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		
for main current circuit	100 ms	
for control circuit	100 ms	
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	1 600 V	
service factor	1	
surge voltage resistance rated value		
maximum permissible voltage for safe isolation		
<ul> <li>between main and auxiliary circuit</li> </ul>	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	
<ul> <li>inside-delta circuit</li> </ul>	Yes	
● auto-RESET	Yes	
<ul> <li>manual RESET</li> </ul>	Yes	
<ul> <li>remote reset</li> </ul>	Yes; By turning off the control supply voltage	
<ul> <li>communication function</li> </ul>	Yes	
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories	
<ul> <li>error logbook</li> </ul>	Yes; Only in conjunction with special accessories	
<ul> <li>via software parameterizable</li> </ul>	No	
<ul> <li>via software configurable</li> </ul>	Yes	
PROFlenergy	Yes; in connection with the PROFINET Standard communication module	
firmware update	Yes	
<ul> <li>removable terminal for control circuit</li> </ul>	Yes	
torque control	No	
analog output	No	
Power Electronics		
operational current	240.4	
• at 40 °C rated value	210 A	
• at 50 °C rated value	186 A	
at 60 °C rated value	170 A	
operational current at inside-delta circuit	264 A	
<ul> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> </ul>	364 A 322 A	
at 50 °C rated value     at 60 °C rated value	322 A 294 A	
operating voltage		
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 inside-delta circuit	-15 %	
relative positive tolerance of the operating voltage at inside-delta circuit	10 %	
operating power for 3-phase motors		
• at 230 V at 40 °C rated value	55 kW	

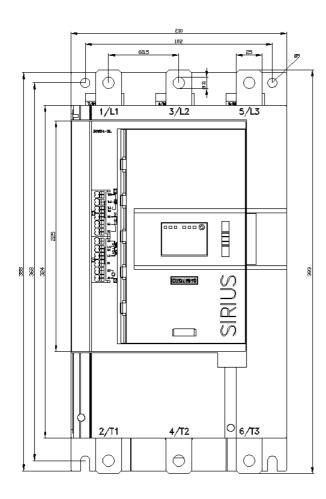
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	110 kW
at 230 V at Inside-delta circuit at 40 °C rated value     at 400 V at 40 °C rated value	110 kW
<ul> <li>at 400 V at 400 C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	200 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	- 60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	90 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	98 A
• at rotary coding switch on switch position 3	106 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	114 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	122 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	130 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	138 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	146 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	154 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	162 A
at rotary coding switch on switch position 11	170 A
at rotary coding switch on switch position 12	178 A
• at rotary coding switch on switch position 13	186 A
• at rotary coding switch on switch position 14	194 A
at rotary coding switch on switch position 15	202 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	210 A
• minimum	90 A
<ul> <li>adjustable motor current</li> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	156 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	170 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	184 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	197 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	211 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	225 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	239 A
• for inside-delta circuit at rotary coding switch on switch position 8	253 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	267 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> <li>for inside delta circuit at rotary coding switch on</li> </ul>	281 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	294 A 308 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	322 A
<ul> <li>for inside-delta circuit at rotary coding switch on</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	322 A 336 A
<ul> <li>for inside-delta circuit at rotary coding switch on</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	350 A 350 A
<ul> <li>For inside-delta circuit at rotary coding switch on</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	364 A
<ul> <li>switch position 16</li> <li>at inside-delta circuit minimum</li> </ul>	156 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	75 W
● at 50 °C after startup	68 W
• at 60 °C after startup	63 W
•	

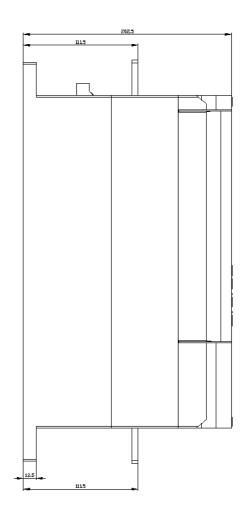
power loss [W] at AC at current limitation 350 %			
<ul> <li>at 40 °C during startup</li> </ul>	3 562 W		
<ul> <li>at 50 °C during startup</li> </ul>	2 979 W		
<ul> <li>at 60 °C during startup</li> </ul>	2 617 W		
Control circuit/ Control			
type of voltage of the control supply voltage	AC		
control supply voltage at AC			
• at 50 Hz	110 250 V		
• at 60 Hz	110 250 V		
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %		
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	100 mA		
locked-rotor current at close of bypass contact maximum	2.2 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			
Inputs/ Outputs number of digital inputs number of inputs for thermistor connection	not part of scope of supply		
number of digital inputs	not part of scope of supply		
number of digital inputs number of inputs for thermistor connection	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick		
number of digital inputs number of inputs for thermistor connection number of digital outputs	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3		
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable	1 1; Type A PTC or Klixon / Thermoclick 3 2		
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)		
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs	1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value	1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value	1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		
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number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm		
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number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         oforwards         ownwards         odownwards         odownwards         odownwards	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 5 mm		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • upwards         • at the side         weight without packaging	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm		
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number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • upwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 9.9 kg		
number of digital inputs         number of inputs for thermistor connection         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging	not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm		

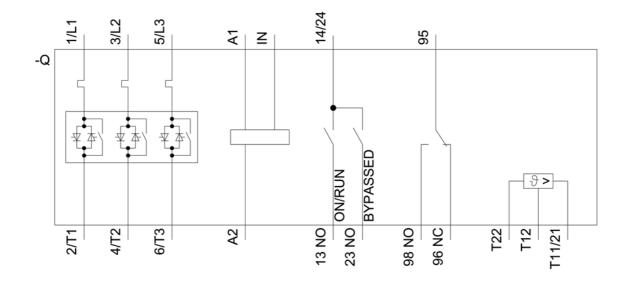
wink length for thermister connection         50 m           • wild conductor cross-section = 1.5 mm* maximum         50 m           • for IN cable log for min contacts frainey standed         25 m           • for IN cable log for min contacts frainey standed         24 (50 240 mm²)           • for IN cable log for min contacts frainey standed         24 (50 240 mm²)           • for control circuit findly standed with core end processing         24 (10 240 mm²)           • al AVVC cables for control circuit findly standed with core end processing         24 (2 1.5 mm²)           • al AVVC cables for control circuit findly standed with core end processing         24 (2 1.6)           • al AVVC cables for control circuit findly standed with core end processing         100 m           • for auxiliary and control contacts with screw-type terminals         10 m           • for auxiliary and control contacts with screw-type terminals         12 12 N·m           • for auxiliary and control contacts with screw-type terminals         5000 m: Derating as of 1000 m, see catalog           • during sorage and transport         5000 m: Derating as of 1000 m, see catalog           • during sorage and transport         5000 m: Derating as of 1000 m, see catalog           • during sorage and: transport         5000 m: Derating as of 1000 m, see catalog           • during sorage and: transport         5000 m: Derating as of 1000 m, see catalog	width of connection bar maximum	45 mm	
<ul> <li>• with conductor cross-section = 15 mm<sup>+</sup> maximum</li> <li>• with conductor cross-section = 15 mm<sup>+</sup> maximum</li> <li>• for DN cable lug for main contacts stranded</li> <li>• for DN cable lug for main contacts stranded</li> <li>• for DN cable lug for main contacts stranded</li> <li>• for control circuit sold</li> <li>• for main contacts with screw-type terminals</li> <li>• during speration</li> <li>• during the for the for fault at 460/480 V moceasional condensation), 3C3 (no salt miss), 1S2 (sand must not get insold ton devicens), 3C3 (no salt miss), 1S2 (sand must not get insola</li></ul>			
<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> <li>with conductor cross-sections</li> <li>tor DN cable lug for main contacts finely standed</li> <li>tor DN cable lug for main contacts finely standed</li> <li>tor CNN cable lug for main contacts finely standed</li> <li>tor control circuit finely standed with core and processing</li> <li>et arc control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core and processing</li> <li>et Al XWC cables for control circuit finely standed with core whype terminals</li> <li>et are an contacts with screw-type terminals</li> <li>for anal contacts with screw-type terminals</li> <li>furing dorated contacts with screw-type</li> <li>furing stander and mapot</li> <li>furing dorate and transpott</li> <li>furing dorage act. to IEC 60721</li> <li>furing dorage act to IEC 60721</li> <li>furing do</li></ul>	_	50 m	
• with conductor cross-sections         250 m           type of connectable conductor cross-sections         2x (50 240 mm <sup>2</sup> )           • for DN coble lug for main contacts stranded         2x (70 240 mm <sup>2</sup> )           • for control circuit solid         2x (70 240 mm <sup>2</sup> )           • for control circuit solid         2x (70 240 mm <sup>2</sup> )           • for control circuit solid         2x (72 15 mm <sup>2</sup> )           • for control circuit solid         2x (72 15 mm <sup>2</sup> )           • at AWG cables for control circuit solid         2x (72 15 mm <sup>2</sup> )           • at the digital inguts at AC maximum         800 m           • at the digital inguts at AC maximum         100 m           • tightening torque         14 24 N m           • for main contacts with screw-type terminals         14 24 N m           • for main contacts with screw-type terminals         14 210 lbf in           • for auxiliary and control contactas with screw-type terminals         14 20 lbf in           • for auxiliary and control contactas with screw-type terminals         500 m; Denating as of 1000 m, see Catalog           mbaladion additional temperature         -400 "C           • during operation acc. to IEC 60721         24X, 271, 282, 280, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282, 283, 282			
type of connectable conductor cross-sections         2x (50 240 mm?)           i for DN cable lug for main contacts finely stranded         2x (50 240 mm?)           i for control circuit finely stranded with core end processing         2x (25 1.5 mm?)           i at AWCs cables for control circuit finely stranded with core end processing         2x (24 16)           i at AWCs cables for control circuit finely stranded with core end processing         2x (24 16)           i at AWCs cables for control circuit finely stranded with core end processing         800 m           i at AWCs cables for control circuit finely stranded with core end processing         800 m           i at the digital inputs at AC maximum         800 m           i of main contacts with screw-type terminals         14 24 N m           i for auxiliary and control contacts with screw-type terminals         14 20 Ibf in           i for auxiliary and control contacts with screw-type terminals         124 20 Ibf in           i for auxiliary and control contacts with screw-type terminals         124 20 Ibf in           i for auxiliary and control contacts with screw-type terminals         124 20 Ibf in           i for auxiliary and control contacts with screw-type terminals         124 20 Ibf in           i for auxiliary and control contacts with screw-type         124 20 Ibf in           i for auxiliary and control contacta with screw-type         124 20 Ibf in			
Ar DFM cable lug for main contacts stranded     Yx (F0 240 mm <sup>2</sup> )     Xx (F0 240 mm			
• 6 r DN cable lug for main contacts finely stranded       2x (70 240 mm <sup>2</sup> )         type of connectable conductor cross-sections       2x (0.25 1.5 mm <sup>2</sup> )         • for control circuit help stranded with core end processing       2x (2.25 1.5 mm <sup>2</sup> )         • at AVC cables for control circuit help stranded with core end processing       2x (2.4 16)         • at AVC cables for control circuit help stranded with core end processing       800 m         • eta could all pupts at AC maximum       800 m         • of main contacts with screw-type terminals       14 24 h m         • for main contacts with screw-type terminals       14 24 h m         • for main contacts with screw-type terminals       124 210 lbF in         • for main contacts with screw-type terminals       124 210 lbF in         • for main contacts with screw-type terminals       124 210 lbF in         • for main contacts with screw-type terminals       124 210 lbF in         • for main contacts with screw-type terminals       124 210 lbF in         • for main contacts with screw-type terminals       124 210 lbF in         • for main contacts with screw-type terminals       124 210 lbF in         • during storage and transport       5000 m; Derating as of 1000 m; see catalog         • during storage and transport       -60 °C; Please observe derating at temperatures of 40 °C or abby consumation, only occasional		$2x(50 - 240 \text{ mm}^2)$	
type of connectable conductor cross-sections         2x (0.251.5 mm²)           • for control circuit solid         2x (0.251.5 mm²)           • at XWG cables for control circuit solid         2x (0.251.5 mm²)           • at XWG cables for control circuit solid         2x (0.251.5 mm²)           • at XWG cables for control circuit solid         2x (0.251.5 mm²)           • at XWG cables for control circuit solid         2x (0.251.5 mm²)           • at the digital inputs standed with core end processing         2x (0.251.5 mm²)           • at the digital inputs standed with core end processing         2x (0.251.5 mm²)           • tor main contacts with sorew-type terminals         00 m           • for main contacts with sorew-type terminals         14 24 N·m           • for auxiliary and control contacts with sorew-type terminals         124 210 lbfin           • for auxiliary and control contacts with sorew-type terminals         5 000 m; Derating as of 1000 m, see catalog           ambient transport         -40 +60 °C; Please observe derating at temperatures of 40 °C or above r           • during sorge act: to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt misit), 152 (sand must not get into the devices), 3M6           • during storage act: to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) as co: IEC 60947-4-2; Class A           Communication module is supported         Yes <td>-</td> <td colspan="2"></td>	-		
a for control circuit solid       2x (0.25 1.5 mm²)         a A WG cables for control circuit finely stranded with core end processing       2x (0.25 1.5 mm²)         a A WG cables for control circuit finely stranded with core end processing       2x (24 16)         a A WG cables for control circuit finely stranded with core end processing       2x (24 16)         a A WG cables for control circuit finely stranded with core end processing       2x (24 16)         a A WG cables for control circuit finely stranded with core end processing       2x (24 16)         a core end processing       300 m         • of main contacts with screw-type terminals       14 24 N m         • for main contacts with screw-type terminals       14 24 N m         • for main contacts with screw-type terminals       124 210 lbf in         • for main contacts with screw-type terminals       5.000 m; Derating as of 1000 m, see catalog <b>Anbient conditions</b> 5.000 m; Derating as of 1000 m, see catalog <b>Anbient conditions</b> 5.000 m; Derating as of 1000 m, see catalog <b>anbient temperature</b> 6.001 m; Derating as of 1000 m, see catalog         • during operation acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mis), 322 (sand must not get inside the devices), 3M0 for thos the devices), 3M0 for thos the devices), 3M0 for thos the devices, 3M1 mas, 322 (sand must not get inside 10 a m) as co to IEC 60721			
• for control circuit finely stranded with core end processing         2x (0.25 1.5 mm²)           • at AWG cables for control circuit finely stranded with core end processing         2x (24 16)           • at AWG cables for control circuit finely stranded with core end processing         900 m           • at the digital inputs at AC maximum         900 m           • at the digital inputs at AC maximum         900 m           • for main contacts with screw-type terminals         14 24 N m           • for auxilary and control contacts with screw-type terminals         14 24 N m           • for auxilary and control contacts with screw-type terminals         124 210 lbf in           • for auxilary and control contacts with screw-type terminals         5000 m; Derating as of 1000 m, see catalog           ambient temperature         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during operation acc. to IEC 60721         3K6 (no loc formation, only occasional condensation), 3C3 (no salt mist), S25 (sand must not get into the devices), MM4           • during torbarge acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • EC entrol theore rece • Grinulitationer Protocol         Yes           Communication module is supported         Yes           • PROFIBUS         Yes		2x (0.25 1.5 mm²)	
processing       cx (24 16)         • at AWG cables for control circuit finely stranded with core end processing       2x (24 16)         wire length       800 m         • obtween soft starter and motor maximum       800 m         • of main contacts with screw-type terminals       14 24 N m         • for main contacts with screw-type terminals       14 24 N m         • for main contacts with screw-type terminals       124 210 Ibf in         • for main contacts with screw-type terminals       7 10.3 Ibf in         • for main contacts with screw-type terminals       500 m; Dearting as of 1000 m, see catalog         minimized       7 10.3 Ibf in         • for main contacts with screw-type terminals       600 m; Dearting as of 1000 m, see catalog         minimized       7 10.3 Ibf in         • for main contacts with screw-type terminals       600 m; Dearting as of 1000 m, see catalog         • during operation       -25 +60 "C; Please observe derating at temperatures of 40 "C or above         • during operation acc. to IEC 60721       -40 (C; Please observe derating at temperatures of 40 "C or above         • during storage acc. to IEC 60721       -40 (C; Please observe derating it tempt at above as a level maximum         • during storage acc. to IEC 60721       2K2 (21, 251, 2M2 (max. fail height 0.3 m)         • during storage acc. to IEC 60721       2K6 (n			
• at AWG cables for control circuit finely stranded with core end processing         2x (24 16)           • between soft starter and motor maximum • at the digital inputs at AC maximum • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts with screw-type terminals         14 24 N m           • for main contacts with screw-type terminals • for main contacts with screw-type terminals         124 210 lbf in • for main contacts with screw-type terminals           Anbient conditions         5 000 m; Derating as of 1000 m, see catalog           • minitialitation attructed • during genation acc: to IEC 60721         5 000 m; Derating as of 1000 m, see catalog           • during storage and transport • during genation acc: to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist) 3S2 (sand must not get into the devices), 3M6           • during storage acc: to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m)           • MC emitted interforence         acc: to IEC 60721           • Moring storage acc: to IEC 60721         Yes • PROFINET standard           • PROFINET standard         Yes • PROFINET standard           • PROFINET standard         Yes • PROFINET standard           • usable for Standard Faults at 460/480 V according to U.         Siemens type: 3VA53, max, 400 A or 3VA54, max, 600 A; lq = 10 kA           • usable for Standard Faults at 460/480 V according to U.         Siemens type: 3VA53, max, 400 A or 3V	•	, ,	
core end processing         800 m           • between soft starter and motor maximum         800 m           • at the digital inputs at AC maximum         100 m           • for main contacts with screw-type terminals         14 24 N m           • for main contacts with screw-type terminals         14 21 N m           • for auxiliary and control contacts with screw-type terminals         14 21 N m           • for auxiliary and control contacts with screw-type terminals         124 210 lbf in           • for auxiliary and control contacts with screw-type terminals         7 10.3 lbf in           • for auxiliary and control contacts with screw-type terminals         7 10.3 lbf in           • for auxiliary and control contacts with screw-type terminals         7 10.3 lbf in           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during geration acc. to IEC 60721         3KG (no lea formation, only occasional condensation), 3C3 (no salt mats), 322 (sand must not get into the devices), 3MM           • during storage acc. to IEC 60721         2KG (no lea formation, only occasional condensation), 3C3 (no salt mats), 322 (sand must not get into the devices), 3MM           • during storage acc. to IEC 60721         2KG (no lea formation, only occasional condensation), 3C3 (no salt mats), 322 (sand must not get into the devices), 3MM           • during transport         - vela (KG (no) voccasional condensation), 1C2 (no salt	<ul> <li>at AWG cables for control circuit solid</li> </ul>	2x (24 16)	
wire length       800 m         • at the digital inputs at AC maximum       800 m         • for main contacts with screw-type terminals       14 24 N-m         • for main contacts with screw-type terminals       14 24 N-m         • for main contacts with screw-type terminals       124 210 lbf in         • for main contacts with screw-type terminals       124 210 lbf in         • for main contacts with screw-type terminals       124 210 lbf in         • for main contacts with screw-type terminals       5 000 m; Derating as of 1000 m, see catalog         ambient conditions       -         • during operation       5 000 m; Derating as of 1000 m, see catalog         • during operation acc. to IEC 60721       -40 +80 °C         • during storage and transport       -40 +80 °C         • during storage acc. to IEC 60721       3K6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         • during storage acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc. to IEC 60927.4.2. Class A         Communication module is supported       - Yes         • PROFINEUP       Yes         • Modbus TCP       Yes         • Modbus TCP       Yes         • Dusble for Standard Faults at 460/480 V according to U.       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10	<ul> <li>at AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16)	
• between soft starter and motor maximum     800 m       • at the digital inputs at AC maximum     100 m       • for main contacts with screw-type terminals     14 24 N m       • for analiany and control contacts with screw-type     08 12 N m       • for analiany and control contacts with screw-type     08 12 N m       • for auxiliary and control contacts with screw-type     08 12 N m       • for auxiliary and control contacts with screw-type     7 103 lbf in       • for auxiliary and control contacts with screw-type     7 103 lbf in       • for auxiliary and control contacts with screw-type     7 103 lbf in       • for auxiliary and control contacts with screw-type     7 103 lbf in       • for auxiliary and control contacts with screw-type     7 103 lbf in       • for auxiliary and control contacts with screw-type     7 103 lbf in       • during storage and transport     -40 +80 °C       • during storage act to IEC 60721     2K (for loc casional condensation), 3C3 (no salt mist), 352 (sand must not oge in the devices), 3M0.       • during transport act. to IEC 60721     2K (ko (nv) cocasional condensation), 3C3 (no salt mist), 352 (sand must not oge in the devices), 3M0.       • during transport act. to IEC 60721     2K (2C1, 2S1, X2, X2 (max fail height 0.3 m)       • during transport act. to IEC 60721     2K (2C1, 2S1, X2, X2 (max fail height 0.3 m)       • EberNetiP     Yes       • PROFINET standard<	core end processing		
• at the digital inputs at AC maximum     100 m       fightening torque     • for main contacts with screw-type terminals     14 24 N m       • for main contacts with screw-type terminals     124 210 lbf in       • for main contacts with screw-type terminals     124 210 lbf in       • for main contacts with screw-type terminals     124 210 lbf in       • for auxiliary and control contacts with screw-type terminals     5000 m; Derating as of 1000 m; see catalog       • mistallation allitude at height above sea level maximum     5 000 m; Derating as of 1000 m; see catalog       • anbient conditions     -25 +60 °C; Please observe derating at temperatures of 40 °C or above       • during operation     -40 +80 °C       • during storage and transport     -40 +80 °C       • during storage acc. to IEC 60721     3K6 (no ice formation, only occasional condensation), 3C3 (no salt misit), 352 (send must not get insite the devices), 3M6       • during storage acc. to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)       • during transport dacc. to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)       • during transport dacc. to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)       • during transport dacc. to IEC 60721     Yes       • DROFINET standard     Yes       • EMC emitted interference     acc. to IEC 60974-4:2: Class A       Communication module is supported     • PROFINET standard <td< td=""><td>wire length</td><td></td></td<>	wire length		
tightening torque <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type terminals</li> <li>f</li></ul>	<ul> <li>between soft starter and motor maximum</li> </ul>	800 m	
<ul> <li>for main contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and control contacts with screw-type terminals</li> <li>if or auxiliary and transport</li> <li>if or auxilia</li></ul>	<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m	
terminals       Terminals         ightening torque [Ibf-in]       if or munication with screw-type terminals         installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         ambient conditions       5 000 m; Derating as of 1000 m, see catalog         ambient gerature       +60 °C; Please observe derating at temperatures of 40 °C or above         - during storage and transport       +80 °C         - during storage acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 122 (no salt must not get into the devices), 3M6         - during transport acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 122 (no salt must not get into the devices), 3M6         - during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60921         - Embretwit/P       Yees         Communication module is supported       Yees         • PROFINET standard       Yees         • Modbus RTU       Yees         • of circuit breaker       Yees         • usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         Siemens type: 3VA53, max. 400 A or 3VA54, max.		14 24 N·m	
tightening torque [lbf in]       • for main contacts with screw-type terminals       124 210 lbf in         • for auxiliary and control contacts with screw-type terminals       7 10.3 lbf in         Ambient conditions       5 000 m; Derating as of 1000 m, see catalog         installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         ambient temperature       • during operation         • during storage and transport       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage act. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt misil), 3S2 (sand must not get ins the devices), 3M6         • during transport acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 1C2 (no salt misit), 1S2 (sand must not get inside the devices), 1M4         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • Communication/ Protocol       acc. to IEC 60947-4-2; Class A         Communication Moule is supported       Yes         • PROFINET standard       Yes         • Modbus RTU       Yes         • usable for High Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA <tr< td=""><td></td><td>0.8 1.2 N·m</td></tr<>		0.8 1.2 N·m	
• for main contacts with screw-type terminals         124 210 lbf in           • for auxiliary and control contacts with screw-type terminals         7 10.3 lbf in           Ambient conditions         5 000 m; Derating as of 1000 m; see catalog           ambient temperature         6 during operation           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during operation acc. to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • Communication Module is supported         Yes           • PROFINET standard         Yes           • Modbus RTU         Yes           • Nodobus TCP         Yes           • Oright Faults at 460/480 V according to UL         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA           • according to UL         - usable for High Faults at 460/480 V at inside-delta circuit according to UL         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A;			
• for auxiliary and control contacts with screw-type minats     installation altitude at height above see level maximum     installation altitude at height above see level maximum     installation altitude at height above see level maximum     inside at a ta top of the fuse     inside at the at top of the fuse     inside at the fuse		404 040 114 5-	
Ambient conditions       5 000 m; Derating as of 1000 m, see catalog         installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         ambient temperature       - 25 + 60 °C; Please observe derating at temperatures of 40 °C or above         • during operation       -25 + 60 °C; Please observe derating at temperatures of 40 °C or above         • during operation acc. to IEC 60721       -40 + 80 °C         • during transport acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         • during transport acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)         • Communication module is supported       • RocFINET standard         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • usable for Figh Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         • usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA         • of circuit bre			
Ambient conditions         installation altitude at height above sea level maximum         ambient temperature         • during operation         • during storage and transport         • during operation acc. to IEC 60721         • during transport acc. to IEC 60721         • Communication/ Protocol         communication module is supported         • ROPCINET standard         • Reporting to UL         • Modbus TCP         • UL/CSA ratings         manufacturer's article number         • of circuit breaker         - usable for Standard Faults at 460/480 V at inside-deta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-deta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-deta circuit according to UL         - usable for Standard Faults at 4575/600 V at inside-deta circuit according to UL         - usable for Standard Faults at 4575/600 V at inside-deta circuit according to UL         - usable for Standard Faults at 4575/600 V at inside-deta circuit according to UL         - usable for Standard Faults at 4575/600 V at insinside-def		7 10.3 lbt-in	
Installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         ambient temperature       • during operation         • during storage and transport       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °C         • during transport acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside to the devices), 3M6         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc, to IEC 60947-4-2: Class A         Communication module is supported       • PROFINET standard       Yes         • Modobus RTU       Yes         • DROFIBUS       Yes         UCISA ratings       Siemens type: 3VA53,			
ambient temperature       -25+60 °C; Please observe derating at temperatures of 40 °C or above         • during operation       -25+60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40+80 °C         environmental category       • during operation acc. to IEC 60721         • during storage acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inicide the devices), 3M6         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m)         • Communication module is supported       • ROP INET standard         • ROP INET standard       Yes         • Modbus RTU       Yes         • ROP INET standard       Yes         • Oricicult breaker       Yes         • usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 KA         • usable for Standard Faults at 460/480 V at inside-detta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 KA         • usable for Standard Faults at 450/60 V at inside-detta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         • usable for Standard Faults at 575/600 V at inside-detta circuit according to UL       Siemens type: 3		5 000 m. Derating as of 1000 m. see catalog	
• during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °C         environmental category       • during storage acc. to IEC 60721         • during storage acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inb the devices), 3M6         • during transport acc. to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2; Class A         communication module is supported       PROFINET standard         • PROFINET standard       Yes         • Modous RTU       Yes         • Modous RTU       Yes         • Def circuit breaker       - usable for Standard Faults at 460/480 V according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         Siemens type: 3VA53, max. 400 A or 3V			
• during storage and transport       -40 +80 °C         • during storage and transport       -40 +80 °C         • during operation acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6         • during storage acc. to IEC 60721       3K6 (no) cocasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         acc. to IEC 60721       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         • PROFINET standard       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Yes         manufacturer's article number       • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-defla circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for High Faults at 460/480 V at inside-defla circuit acco	•	-25 +60 °C: Please observe derating at temperatures of 40 °C or	
environmental category <ul> <li>during operation acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during transport acc. to IEC 60721</li> <li>tK6 (only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6</li> </ul> <ul> <li>during transport acc. to IEC 60721</li> <li>tK6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4</li> <li>etmitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> </ul> <li>Communication Protocol</li> <li>communication module is supported         <ul> <li>PROFINET standard</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>Ves</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA5</li></ul></li>			
<ul> <li>during operation acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during transport acc. to IEC 60721</li> <li>tK6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4</li> <li>during transport acc. to IEC 60721</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> <li>Communication Protocol</li> <li>communication module is supported</li> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> </ul>	<ul> <li>during storage and transport</li> </ul>	-40 +80 °C	
• during storage acc. to IEC 60721       mist), 352 (sand must not get into the devices), 3M6         • during transport acc. to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A         Communication/Protocol       etherNet/IP         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTD       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         U/CSA ratings       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA	environmental category		
<ul> <li>during storage acc. to IEC 60721</li> <li>1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4</li> <li>during transport acc. to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> <li>EMC emitted interforence</li> <li>acc. to IEC 60947-4-2: Class A</li> <li>Communication Protocol</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>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 Standard 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 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 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> <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> <li>— usable for Standard Faults</li></ul></li></ul>	<ul> <li>during operation acc. to IEC 60721</li> </ul>		
• during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2; Class A         Communication Protocol       communication module is supported         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL.       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for			
• during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A         Communication/ Protocol          communication module is supported       Yes         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes <b>ULCSA ratings</b> Yes         manufacturer's article number       siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL.       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL.       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA	<ul> <li>during storage acc. to IEC 60721</li> </ul>		
EMC emitted interference       acc. to IEC 60947-4-2: Class A         Communication/ Protocol         communication module is supported         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         ULCSA ratings       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         - usable for Standard Faults at 575/600	a during transport and to IEC 60701	-	
Communication/Protocol         communication module is supported         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Yes         manufacturer's article number       • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at cording to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit acc		· · · · · · · · · · · · · · · · · · ·	
communication module is supported <ul> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>Yes</li> <li>EtherNet/IP</li> <li>Yes</li> </ul> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>UL/CSA ratings</li> <li>UL/CSA ratings</li> <li>UL/CSA ratings</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA according to UL</li> <li>usable for Standard 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 Standard 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 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 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 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> <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>		acc. 10 IEC 00347-4-2. Class A	
<ul> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> </ul> UL/CSA ratings UL/CSA ratings UL/CSA ratings Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA according to UL <ul> <li>- usable for Standard 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 Standard 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 460/480 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> <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> <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> <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>			
• EtherNet/IPYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYes• PROFIBUSYes <b>UL/CSA ratings</b> Jes <b>UL/CSA ratings</b> Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- or the fuseSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA	••	Vee	
<ul> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> </ul> UL/CSA ratings UL/CSA ratings Interpret of circuit breaker <ul> <li>- usable for Standard Faults at 460/480 V according to UL</li> <li>- usable for Standard 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 <ul> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>- usable for Standard 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 <ul> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA</li> </ul></li></ul></li></ul>			
• Modbus TCP • PROFIBUSYes• DROFIBUSYesUL/CSA ratingsSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA• of circuit breaker • of cording to UL - usable for High Faults at 460/480 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for High Faults at 460/480 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA- of the fuseSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA			
<ul> <li>PROFIBUS</li> <li>Ves</li> <li>UL/CSA ratings</li> <li>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> <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> <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> <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> <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> <li>usable for Standard Faults at 57</li></ul></li></ul>			
UL/CSA ratings         manufacturer's article number         • of circuit breaker         — usable for Standard Faults at 460/480 V         according to UL         — usable for High Faults at 460/480 V according to UL         — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — of the fuse			
manufacturer's article number       • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for High Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA         • of the fuse       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
<ul> <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 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> <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> <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> <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> <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> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according</li></ul></li></ul>			
<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 Standard 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 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 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 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>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA</li> <li>Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA</li> </ul>			
according to UL		Sigmons type: $31/453$ may 400 Å or $31/454$ may 600 Å la = 10 kÅ	
<ul> <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 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>of the fuse</li> </ul>		Siemens type. 30433, max. 400 A or 30434, max. 600 A, rq = 10 KA	
to ULkA usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA usable for High Faults at 460/480 V at inside- delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA of the fuseSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		Siemens type: 3VA53, max, 400 A or 3VA54, max, 600 A: Ig max = 65	
<ul> <li>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>— osable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— osable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— of the fuse</li> </ul>	5 S		
delta circuit according to UL       kA         — usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA         • of the fuse       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA	
<ul> <li>according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> </ul>			
inside-delta circuit according to UL     of the fuse		Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA	
		Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA	
— usable for Standard Faults up to 575/600 V Type: Class J / L, max. 700 A; Ig = 10 kA			
	— usable for Standard Faults up to 575/600 V	Type: Class J / L, max. 700 A; lq = 10 kA	

according to UL	Turo: Class 1/1, may 700 4:15 = 100 kA			
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 700 A; Iq = 100 kA			
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>		Type: Class J / L, max. 700 A; Iq = 10 kA		
— usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class J / L, max. 700 A; lq = 100 kA	Type: Class J / L, max. 700 A; Iq = 100 kA		
operating power [hp] for 3-phase motors				
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	60 hp			
• at 220/230 V at 50 °C rated value	60 hp			
• at 460/480 V at 50 °C rated value	150 hp			
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	100 hp			
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	125 hp			
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	250 hp			
contact rating of auxiliary contacts according to UL	R300-B300			
Safety related data				
protection class IP on the front acc. to IEC 60529	IP00; IP20 with cover			
•	=	t with cover		
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the from	it with cover		
electromagnetic compatibility	in accordance with IEC 60947-4-2			
Certificates/ approvals				
General Product Approval	EMC	Declaration of Conformity		
Test Certificates Marine / Shipping				
Type Test Certific- ates/Test Report     Image: Certific- ates/Test Report       ABS     Image: Certific- BUREAL	Lloyds Register Urs PRS	DNV-GL EMPSLEDBOR		
other				
Confirmation				
Further information				
Information- and Downloadcenter (Catalogs, Brochures,	)			
Information- and Downloadcenter (Catalogs, Brochures, https://www.siemens.com/ic10	)			
Information- and Downloadcenter (Catalogs, Brochures, https://www.siemens.com/ic10 Industry Mall (Online ordering system)				
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Information- and Downloadcenter (Catalogs, Brochures, https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/produc Cax online generator http://support.automation.siemens.com/WW/CAXorder/defau Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3RW5243 Image database (product images, 2D dimension drawing http://www.automation.siemens.com/bilddb/cax_de.aspx?ml Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through	<u>xt?mlfb=3RW5243-2TC14</u> <u>ult.aspx?lang=en&amp;mlfb=3RW5243-2TC14</u> , FAQs,) <u>3-2TC14</u> js, 3D models, device circuit diagrams, EPL fb=3RW5243-2TC14⟨=en current	AN macros,)		
Information- and Downloadcenter (Catalogs, Brochures, https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/produc Cax online generator http://support.automation.siemens.com/WW/CAXorder/defau Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3RW5243 Image database (product images, 2D dimension drawing http://www.automation.siemens.com/bilddb/cax_de.aspx?ml Characteristic: Tripping characteristics, I²t, Let-through https://support.industry.siemens.com/cs/ww/en/ps/3RW5243 Characteristic: Installation altitude	2t?mlfb=3RW5243-2TC14 ult.aspx?lang=en&mlfb=3RW5243-2TC14 , FAQs,) 3-2TC14 gs, 3D models, device circuit diagrams, EPL fb=3RW5243-2TC14⟨=en current 3-2TC14/char			
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Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917







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