## **SIEMENS**

product brand name

Data sheet 3RW5248-2AC05

SIRIUS



SIRIUS soft starter 200-600 V 570 A, 24 V AC/DC spring-type terminals Analog output

product brand name	Olivioo
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
of standard HMI module usable	3RW5980-0HS00
of high feature HMI module usable	3RW5980-0HF00
• of communication module PROFINET standard usable	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
• of communication module Modbus TCP usable	3RW5980-0CT00
• of communication module Modbus RTU usable	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
of circuit breaker usable at 400 V	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 500 V at inside-delta circuit	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3365-6; Type of coordination 1, lq = 65 kA
• of the gG fuse usable at inside-delta circuit up to 500 V	2x3NA3365-6; Type of coordination 1, lq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1437-2; Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3340-8; Type of coordination 2, Iq = 65 kA
eneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
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	
HMI-High Feature	No
• is supported HMI-Standard	Yes
• is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
	3
number of controlled phases	· ·
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
<u> </u>	
trip class	

600 V
3, acc. to IEC 60947-4-2
6 kV
1 600 V
1
6 kV
600 V
15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
15 mm to 6 Hz; 2g to 500 Hz
AC 53a
Q
02/15/2018
Yes
Yes; Electronic motor overload protection
No
Yes
Yes
Yes
Yes; By turning off the control supply voltage
Yes
Yes; Only in conjunction with special accessories
Yes; Only in conjunction with special accessories
No
Yes
Yes; in connection with the PROFINET Standard communication module
Yes
Yes
No
Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
570 A
570 A
504 A
504 A 460 A
504 A 460 A 987 A
504 A 460 A 987 A 873 A
504 A 460 A 987 A
504 A 460 A 987 A 873 A 796 A
504 A 460 A 987 A 873 A 796 A 200 600 V
504 A 460 A 987 A 873 A 796 A
504 A 460 A 987 A 873 A 796 A 200 600 V 200 600 V
504 A 460 A 987 A 873 A 796 A 200 600 V 200 600 V -15 %
504 A 460 A 987 A 873 A 796 A 200 600 V 200 600 V -15 % 10 %
504 A 460 A  987 A 873 A 796 A  200 600 V 200 600 V -15 %  10 % -15 %
504 A 460 A  987 A 873 A 796 A  200 600 V 200 600 V -15 % 10 % -15 %
504 A 460 A  987 A 873 A 796 A  200 600 V 200 600 V -15 % 10 % -15 %  10 %
504 A 460 A  987 A 873 A 796 A  200 600 V 200 600 V -15 % 10 % -15 %  10 %
504 A 460 A  987 A 873 A 796 A  200 600 V 200 600 V -15 % 10 % -15 %  10 %  160 kW 315 kW
504 A 460 A  987 A 873 A 796 A  200 600 V 200 600 V -15 % 10 % -15 %  10 %

	-
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>	240 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	262 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	284 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	306 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	328 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	350 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	372 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	394 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	416 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	438 A
at rotary coding switch on switch position 11	460 A
at rotary coding switch on switch position 12	482 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	504 A
at rotary coding switch on switch position 14	526 A
at rotary coding switch on switch position 15	548 A
at rotary coding switch on switch position 16	570 A
• minimum	240 A
adjustable motor current	
for inside-delta circuit at rotary coding switch on switch position 1	416 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	454 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	492 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	530 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	568 A
for inside-delta circuit at rotary coding switch on switch position 6	606 A
for inside-delta circuit at rotary coding switch on switch position 7      for inside delta circuit at rotary coding switch on switch and	644 A 682 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	721 A
position 9  • for inside-delta circuit at rotary coding switch on switch	759 A
position 10 • for inside-delta circuit at rotary coding switch on switch	797 A
position 11 • for inside-delta circuit at rotary coding switch on switch	835 A
position 12     for inside-delta circuit at rotary coding switch on switch position 12	873 A
<ul> <li>position 13</li> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	911 A
for inside-delta circuit at rotary coding switch on switch position 15	949 A
for inside-delta circuit at rotary coding switch on switch position 16	987 A
at inside-delta circuit minimum	416 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	183 W
• at 50 °C after startup	163 W
at 60 °C after startup	153 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	10 241 W
at 50 °C during startup	8 500 W
<ul> <li>at 60 °C during startup</li> </ul>	7 663 W

Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
	24.1/
• at 50 Hz rated value	24 V 24 V
at 60 Hz rated value  Talative regetive televance of the central cumply valtage at	
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 % -
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
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 voltage	
at DC rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	470 mA
inrush current by closing the bypass contacts maximum	7.6 A
inrush current peak at application of control supply voltage	3.3 A
maximum	12.1 ms
duration of inrush current peak at application of control supply voltage	
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 digital outputs	3
• .	2
<ul> <li>not parameterizable</li> </ul>	<b>Z</b>
not parameterizable  digital output version	
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
digital output version number of analog outputs	
digital output version number of analog outputs switching capacity current of the relay outputs	2 normally-open contacts (NO) / 1 changeover contact (CO) 1
digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
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	2 normally-open contacts (NO) / 1 changeover contact (CO) 1
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  3 A  1 A
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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  • downwards	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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 • downwards • at the side  weight without packaging	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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 • downwards • at the side  weight without packaging	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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 • backwards • upwards • downwards • at the side  weight without packaging  Connections/ Terminals	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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
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  • downwards  • at the side  weight without packaging  Connections/ Terminals  type of electrical connection	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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  10.6 kg
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 • downwards • at the side  weight without packaging  Connections/ Terminals  type of electrical connection • for main current circuit	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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  10.6 kg

for DIN cable lug for main contacts stranded	2x (50 240 mm²)
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)
type of connectable conductor cross-sections	
for control circuit solid	2x (0.25 1.5 mm²)
for control circuit finely stranded with core end processing	2x (0.25 1.5 mm²)
for AWG cables for control circuit solid	2x (24 16)
<ul> <li>for AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)
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
at the digital inputs at DC maximum	1 000 m
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	14 24 N·m
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
tightening torque [lbf·in]	
for main contacts with screw-type terminals	124 210 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf-in
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	, g
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 according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
Communication/ Frotocol	
communication module is supported	
	Yes
communication module is supported	Yes Yes
communication module is supported  • PROFINET standard	
communication module is supported  PROFINET standard  EtherNet/IP	Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU	Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP	Yes Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS	Yes Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings	Yes Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of the fuse  — usable for Standard Faults up to 575/600 V	Yes Yes Yes Yes Yes
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to	Yes Yes Yes Yes Yes Type: Class J / L, max. 1600 A; Iq = 30 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up	Yes Yes Yes Yes Yes Type: Class J / L, max. 1600 A; Iq = 30 kA Type: Class J / L, max. 1200 A; Iq = 100 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value	Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 460/480 V at 50 °C rated value	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  150 hp 200 hp 400 hp
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 575/600 V at 50 °C rated value  at 575/600 V at 50 °C rated value	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  150 hp 200 hp 400 hp 500 hp
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 575/600 V at 50 °C rated value  at 200/208 V at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1200 A; lq = 100 kA
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value	Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1200 A; lq = 100 kA
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 2575/600 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value	Yes Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1200 A; lq = 100 kA
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value	Yes Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1600 A; lq = 30 kA  Type: Class J / L, max. 1200 A; lq = 100 kA  Type: Class J / L, max. 1200 A; lq = 100 kA
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 460/480 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value  at 575/600 V at inside-delta circuit at 50 °C rated value	Yes Yes Yes Yes Yes  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1600 A; Iq = 30 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  Type: Class J / L, max. 1200 A; Iq = 100 kA  150 hp 200 hp 400 hp 500 hp 300 hp 350 hp 750 hp 950 hp R300-B300

## Certificates/ approvals

**General Product Approval** 

**EMC** 





Confirmation







**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5248-2AC05

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5248-2AC05

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW5248-2AC09

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5248-2AC05&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

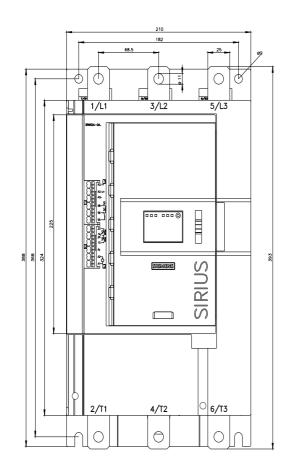
https://support.industry.siemens.com/cs/ww/en/ps/3RW5248-2AC05/char

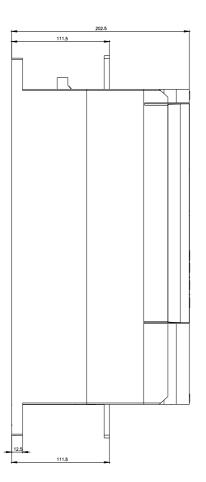
Characteristic: Installation altitude

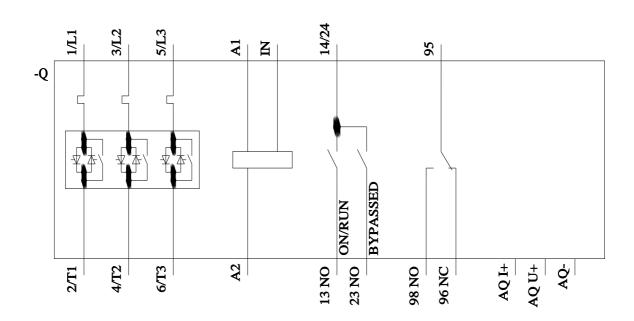
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5248-2AC05&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917







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