## **SIEMENS**

product brand name

Data sheet 3RW5235-6TC04

SIRIUS



SIRIUS soft starter 200-480 V 143 A, 24 V AC/DC Screw terminals Thermistor input

product brand name	
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>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3VA2325-7MN32-0AA0; Type of coordination 1, lq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6; Type of coordination 1, Iq = 65 kA
• of the gG fuse usable at inside-delta circuit up to 500 V	3NA3244-6; 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>	3NE1227-0; 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>	3NE3334-0B; 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
number of controlled phases	3
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	1 400 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof - Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4
product function	V.
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down     intrincia dovice pretection	Yes
<ul><li>intrinsic device protection</li><li>motor overload protection</li></ul>	Yes Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
evaluation of thermistor motor protection	Yes; Type A PTC or Klixon / Thermoclick
• inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
communication function	Yes
operating measured value display	Yes; Only in conjunction with special accessories
• error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
via software configurable	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
• firmware update	Yes
removable terminal for control circuit	Yes
• torque control	No
analog output	No
Power Electronics	
operational current	
• at 40 °C rated value	143 A
• at 50 °C rated value	128 A
at 60 °C rated value	118 A
operational current at inside-delta circuit	
• at 40 °C rated value	248 A
• at 50 °C rated value	222 A
• at 60 °C rated value	204 A
operating voltage	
• rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at 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	37 kW
• at 230 V at inside-delta circuit at 40 °C rated value	75 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	75 kW

• at 400 V at inside-delta circuit at 40 °C rated value	132 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>	68 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	73 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	78 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	83 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	88 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	98 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	103 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	108 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	113 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	118 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	123 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	128 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	133 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	138 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	143 A
• minimum	68 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	118 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	126 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	135 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	144 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	152 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	161 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	170 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	178 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	187 A
for inside-delta circuit at rotary coding switch on switch position 10	196 A
for inside-delta circuit at rotary coding switch on switch position 11     for inside delta circuit at rotary coding switch on switch	204 A
for inside-delta circuit at rotary coding switch on switch position 12     for inside delta circuit at rotary coding switch on switch	213 A 222 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	222 A 230 A
for inside-delta circuit at rotary coding switch on switch     for inside-delta circuit at rotary coding switch on switch	239 A
position 15  • for inside-delta circuit at rotary coding switch on switch	248 A
tor inside-delta circuit at rotary coding switch on switch position 16     at inside-delta circuit minimum	248 A
• at inside-delia circuit minimum minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	10 %, Notative to diffusion dettable to
• at 40 °C after startup	55 W
at 50 °C after startup	50 W
·	50 W 47 W
• at 60 °C after startup	41 VV
power loss [W] at AC at current limitation 350 %	2 127 W
at 40 °C during startup     at 50 °C during startup	2 127 W 1 807 W

Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
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	-10 %
frequency 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	380 mA
inrush current by closing the bypass contacts maximum	7.6 A
inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage	3.3 A
maximum	
duration of inrush current peak at application of control supply voltage	12.1 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of digital outputs	3
	2
<ul> <li>not parameterizable</li> </ul>	
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) 0
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) 0 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) 0
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) 0 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)  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)  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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 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	2 normally-open contacts (NO) / 1 changeover contact (CO)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 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	2 normally-open contacts (NO) / 1 changeover contact (CO)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 mm  203 mm  10 mm  0 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 mm  203 mm  10 mm  0 mm  100 mm  75 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	2 normally-open contacts (NO) / 1 changeover contact (CO)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 mm  203 mm  10 mm  0 mm  100 mm  75 mm  5 mm  6.6 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 • for control circuit	2 normally-open contacts (NO) / 1 changeover contact (CO)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 mm  203 mm  10 mm  0 mm  100 mm  75 mm  5 mm  6.6 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)  3 A  1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  306 mm  185 mm  203 mm  10 mm  0 mm  100 mm  75 mm  5 mm  6.6 kg

• with conductor cross-section = 0.5 mm² maximum	50 m
• with conductor cross-section = 1.5 mm² maximum	150 m
• with conductor cross-section = 2.5 mm² maximum	250 m
type of connectable conductor cross-sections	
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (16 95 mm²)
<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	2x (25 120 mm²)
type of connectable conductor cross-sections	
<ul> <li>for control circuit solid</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
• for control circuit finely stranded with core end processing	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
<ul> <li>for AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m
<ul> <li>at the digital inputs at DC maximum</li> </ul>	1 000 m
tightening torque	
for main contacts with screw-type terminals	10 14 N·m
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	0.8 1.2 N·m
terminals	
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	89 124 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	7 10.3 lbf·in
terminals	
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	
<ul> <li>during operation</li> </ul>	-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
a during transport apparding to IEC 60721	2K2 2C1 2C1 2M2 (may fall beight 0.2 m)
during transport according to IEC 60721  EMC amitted interference.	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
EMC emitted interference Communication/ Protocol	
EMC emitted interference  Communication/ Protocol  communication module is supported	acc. to IEC 60947-4-2: Class A
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard	acc. to IEC 60947-4-2: Class A Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP	acc. to IEC 60947-4-2: Class A  Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU	Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP	Yes Yes Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS	Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings	Yes Yes Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults	Yes Yes Yes Yes Yes Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults	Yes Yes Yes Yes Yes Yes Yes Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults  — at 460/480 V according to UL	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  60/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  of the fuse  usable for Standard Faults up to 575/600 V	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  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
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  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
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  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
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  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	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  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	Yes
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL  60/480 V at inside-delta circuit according to UL  at 575/600 V according to UL  at 575/600 V at inside-delta circuit according to UL  at 575/600 V at inside-delta circuit according to UL  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

75 hp • 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 75 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 150 hp R300-B300 contact rating of auxiliary contacts according to UL **Electrical Safety** protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover Approvals Certificates

## **General Product Approval**



Confirmation



<u>KC</u>







General Product Ap-

EMV

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report





Marine / Shipping

other

**Environment** 





Confirmation

**Environmental Confirmations** 

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=3RW5235-6TC04

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5235-6TC04}\\$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6TC04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5235-6TC04&lang=en

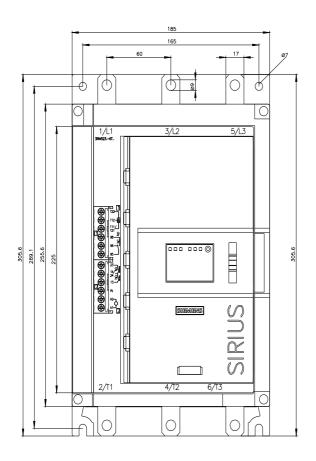
Characteristic: Tripping characteristics, I2t, Let-through current

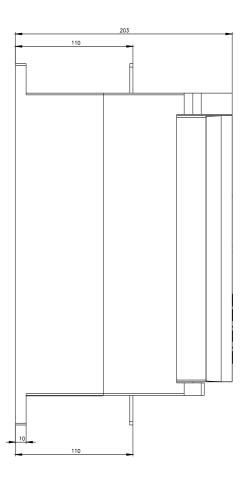
Characteristic: Installation altitude

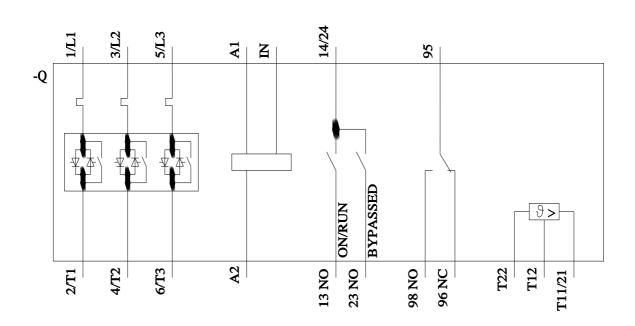
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5235-6TC04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 3/11/2024 🖸

