## **SIEMENS**

product brand name

Data sheet 3RW5216-1TC05

SIRIUS



SIRIUS soft starter 200-600 V 32 A, 24 V AC/DC Screw terminals Thermistor input

product brank name	Sirvios
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
<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>	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
of circuit breaker usable at 500 V	3RV2032-4VA10; Type of coordination 1, Iq = 10 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 500 V at inside-delta circuit	3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10
• of the gG fuse usable up to 690 V	3NA3824-6; Type of coordination 1, Iq = 65 kA
• of the gG fuse usable at inside-delta circuit up to 500 V	3NA3824-6; 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>	3NE1818-0; 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>	3NE8022-1; 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 Yes
· · · · · · · · · · · · · · · · · · ·	
product feature integrated bypass contact system	Yes
product feature integrated bypass contact system number of controlled phases	Yes 3
product feature integrated bypass contact system number of controlled phases trip class	Yes 3

insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	5, acc. to fee 60947-4-2
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	1 6 kV
maximum permissible voltage for protective separation	UKV
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC 53a
	Q Q
reference code according to IEC 81346-2	02/15/2018
Substance Prohibitance (Date)	02/13/2016
product function	Yes
<ul><li>ramp-up (soft starting)</li><li>ramp-down (soft stop)</li></ul>	Yes
	Yes
Soft Torque     adjustable current limitation	Yes
adjustable current limitation     pump ramp down	Yes
pump ramp down     intrinsic device protection	Yes
intrinsic device protection     motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor
motor overload protection	overload protection)
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick
inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
<ul> <li>communication function</li> </ul>	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
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
torque control	No
analog output	No
Power Electronics	
operational current	
at 40 °C rated value	32 A
at 50 °C rated value	28.4 A
• at 60 °C rated value	26 A
operational current at inside-delta circuit	
at 40 °C rated value	55.4 A
• at 50 °C rated value	49 A
• at 60 °C rated value	45 A
operating voltage	
rated value	200 600 V
at inside-delta circuit rated value	200 600 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	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	7.5 kW
• at 230 V at inside-delta circuit at 40 °C rated value	15 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	15 kW
• at 400 V at inside-delta circuit at 40 °C rated value	22 kW
<ul> <li>at 500 V at 40 °C rated value</li> </ul>	18.5 kW
<ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	30 kW

Operating frequency 4 rated value	50 Hz
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>	14 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	15.2 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	16.4 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	17.6 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	18.8 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	20 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	21.2 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	22.4 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	23.6 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	24.8 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	26 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	27.2 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	28.4 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	29.6 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	30.8 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	32 A
• minimum	14 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	24.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	26.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	28.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	30.5 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	32.6 A
for inside-delta circuit at rotary coding switch on switch position 6	34.6 A
for inside-delta circuit at rotary coding switch on switch position 7      for inside delta circuit at rotary coding switch on switch position 7	36.7 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>	38.8 A 40.9 A
position 9 • for inside-delta circuit at rotary coding switch on switch	43 A
position 10  • for inside-delta circuit at rotary coding switch on switch	45 A
position 11  • for inside-delta circuit at rotary coding switch on switch	47.1 A
position 12 • for inside-delta circuit at rotary coding switch on switch	49.2 A
position 13 • for inside-delta circuit at rotary coding switch on switch	51.3 A
position 14  • for inside-delta circuit at rotary coding switch on switch position 15	53.3 A
for inside-delta circuit at rotary coding switch on switch position 16	55.4 A
at inside-delta circuit minimum	24.2 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	22 W
at 50 °C after startup	21 W
at 60 °C after startup	20 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	531 W
at 50 °C during startup      at 50 °C during startup	449 W
at 60 °C during startup      at 60 °C during startup	395 W

Control supply voltage at AC  • at 30 Hz. Traited value  • at 60 Hz.  • at 30 Hz. Traited value  • at 60 Hz.	Lycological (eth) ( Lycological Lycologica	
control supply voltage at AC  * at 60 Hz read value  * at 60 Hz  * relative positive tolerance of the control supply voltage at AC at 80 Hz  * relative positive tolerance of the control supply voltage at AC at 60 Hz  * relative positive tolerance of the control supply voltage at AC at 60 Hz  * relative positive tolerance of the control supply voltage at AC at 60 Hz  * relative positive tolerance of the control supply voltage requency  * relative positive tolerance of the control supply voltage  * relative positive tolerance of the control supply voltage  * relative positive tolerance of the control supply voltage at Control supply voltage at Control supply current in standard mode related value  * relative positive tolerance of the control supply voltage at Control supply current in standard mode related value  * relative positive tolerance of the control supply voltage at Control supply current in standard mode related value  * relative positive tolerance of the control supply voltage at Control supply current in standard mode related value  * relative positive tolerance of the control supply voltage at Control supply current in standard mode related value  * relative positive tolerance of the control supply voltage at Control supply current in standard mode at a polication of control supply voltage  * at Control supply current in standard mode related value  * relative positive tolerance of the control supply voltage  * duration of insuh current peak at application of control supply voltage  * duration of insuh current peak at application of control supply  * voltage  * design of short-circuit protection for control circuit  * 4 A Q R lines (current XA), B A Quick acting fuse (current XA), CT maniature circuit breaker (current XA), CT maniature ci		
* at 00 trz metel value     * at 00 trz metel value     * at 00 trz metel value     relative positive tolerance of the control supply voltage at AC at 50 trz     relative positive tolerance of the control supply voltage at AC at 50 trz     relative positive tolerance of the control supply voltage at AC at 50 trz     relative positive tolerance of the control supply voltage at AC at 50 trz     relative positive tolerance of the control supply voltage at AC at 50 trz     relative positive tolerance of the control supply voltage     requency     relative positive tolerance of the control supply voltage     requency     ** at DC relat value     ** at DC relative positive tolerance of the control supply voltage at     ** at DC relative positive tolerance of the control supply voltage at     ** at DC relative positive tolerance of the control supply voltage     ** at DC relative positive tolerance of the control supply voltage at     ** at DC relative positive tolerance of the control supply voltage at     ** at DC relative tolerance of the control supply voltage at     ** at DC relative positive tolerance of the control supply voltage at     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of the control supply voltage at 20 %     ** at DC relative tolerance of	type of voltage of the control supply voltage	AC/DC
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AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency rolative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage at DC raised value at DC raised value relative negative tolerance of the control supply voltage at DC raised value relative negative tolerance of the control supply voltage at DC control supply current in standby mode rated value holding current in bypass operation rated value holding current in bypass operation rated value holding current by closing the bypass contacts maximum insub-current peak at application of control supply voltage maximum duration of insub-current peak at application of control supply voltage design of the overvoltage protection  design of short-circuit protection for control circuit freaker (lose 600 A), C6 miniature circuit breaker (lose 900 A), Is not part of scope of supply  Inputs/ Otiputs number of digital inputs  number of digital inputs  a not parameterizable  at AC-15 at 250 V rated value  at AC-15 at 220 V rated value  1 A  Insultation mounting dimensions  mounting position  with vertical mounting surface +400" rolatable, with vertical mounting surface +2.25" itable to the front and back  at the side  abactivaria  to maximum  100 mm  clopth 152 mm  required spacing with side-by-side mounting  a the side  a the side  a the side  a the side  a the side of the ministor connection  for main current circuit  for main current circuit  for main current circuit  screw-type terminals  type of electrical connection  for main current circuit  for main current circuit		20 %
AC at 6 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage a of DC rated value a of DC rated value relative negative tolerance of the control supply voltage a of DC rated value a of DC rated value relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative negative tolerance of the Control supply voltage at DC relative n		-20 %
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relative negative tolerance of the control supply voltage frequency control supply voltage	control supply voltage frequency	50 60 Hz
relative positive tolerance of the control supply voltage     * at DC rated value      * at DC r		-10 %
relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply current in standby mode rated value inrush current in bypass operation rated value inrush current in bypass operation rated value inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection voltage of short-circuit protection for control circuit  4 A gG luse (cu=1 kA), 8 A quick-acting fuse (icu=1 kA), C1 miniature circuit breaker (icu=600 A), C8 miniature circuit breaker (icu=600 A), C8 miniature circuit breaker (icu=300 A); Is not part of scope of supply  Inputs/ Outputs  Inputs/ Outputs  1 1 Inumber of digital inputs 1 2 1 Inumber of digital outputs 3 3 In on parameterizable 2 1 Indigital output varsion 2 normally-open contacts (NO) / 1 changeover contact (CO) Inumber of analog outputs 3 A In at AC-15 at 250 V rated value 4 A DC-13 at 24 V rated value 5 A A DC-13 at 24 V rated value 6 A DC-13 at 24 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A C-15 at 250 V rated value 7 A B A B A B A B A B A B A B A B A B A	relative positive tolerance of the control supply voltage	10 %
relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum  inrush current peak at application of control supply voltage maximum  duration of insush current peak at application of control supply voltage maximum  design of the overvoltage protection  design of short-circuit protection for control circuit  breaker (ou= 800 A). OB miniature circuit breaker (ou= 800 A). OB miniature circuit breaker (ou= 800 A). OB miniature circuit breaker (ou= 800 A). OB miniature circuit breaker (ou= 800 A). Is not part of sospe of supply  Inputs/ Outputs  number of digital inputs 1 number of digital inputs 3 not parameter/zable 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs 3 A 3 A 4 10-13 at 24 V rated value 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A	control supply voltage	
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relative positive tolerance of the control supply voltage at 20 %  Control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of innush current peak at application of control supply voltage design of the overvoltage protection  Varistor  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs  on parameterizable  digital output version  number of analog outputs  *** at AC-15 at 250 V rated value  *** at AC-15 at 250 V rated valu	relative negative tolerance of the control supply voltage at	-20 %
Control supply current in standby mode rated value   160 mA   16	relative positive tolerance of the control supply voltage at	20 %
holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage design of the overvoltage protection  design of short-circuit protection for control circuit  breaker ((cu= 600 A), C8 miniature circuit breaker ((cu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  number of digital outputs  number of analog outputs  number of analog outputs  1 number of digital outputs  1 at AC-15 at 250 V rated value  1 at AC-15 at 250 V rated value  1 at AC-15 at 250 V rated value  1 A Installation/ mounting/ dimensions  mounting position  fastening method  height  275 mm  width  170 mm  depth  required spacing with side-by-side mounting  100 mm  100 m		160 mA
Inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage voltage protection design of the overvoltage protection variety of the overvoltage protection design of short-circuit protection for control circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply voltage and the protection of digital inputs and protection of the protection of digital inputs and protection of digital outputs and protection of the relay outputs and protection of protection of digital outputs and protection of the relay outputs and protection of protection of the relay outputs and protection of protection of the relay outputs and protection of the relay outputs and DC-13 at 250 V rated value and DC-13 at 24 V rated value and DC-13 at 250 V rated value and DC-13 at		
inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  breaker (Icu= 800 A), C6 miniature circuit breaker (Icu= 300 A); is not part of scope of supply   Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  1 A  Installation mounting/ dimensions  mounting position  fastening method  height  villed  forwards  • forwards  • pupwards  • forwards  • outpwards  • outpwards  • at the side  weight without packaging  Connections/ Terminals  type of electrical connection  • for main current circuit  • for control circuit  • for control circuit  • for control circuit  • forwaric control circuit  • forwaric control circuit  • for control circuit  • for control circuit  • forwaric control circuit  • for control circuit  • for control circuit  • forwaric control circuit  • for control circuit  • forwaric control circuit  • for control circuit  • forwaric control circuit  • for control circuit  • forwaric control circuit  • f		
maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection  design of short-circuit protection for control circuit  breaker (lcu= 600 A), C6 miniature circuit breaker (lcu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs 1 number of digital outputs 3 • not parameterizable 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 3 3 • at AC-15 at 250 V rated value 1 A installation/ mounting/ dimensions  mounting position  fastening method height 275 mm width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side upwards • 100 mm • downwards • at the side upwards • 2.3 kg  Connections/ Terminals  type of electrical connection • for main current circuit screw-type terminals  vier length for thermistor connection		
design of the overvoltage protection  design of short-circuit protection for control circuit  design of short-circuit protection for control circuit  treaker ((cu= 600 A), C6 miniature circuit breaker ((cu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  onto parameterizable  digital output version  number of analog outputs  other of analog outputs  at AC-15 at 250 V rated value  ta AC-15 at 250 V rated value  1 A  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-22.5" tiltable to the front and back  fastening method  screw fixing  height  forwards  obackwards  obackwards  obackwards  other of the relation o	maximum	3.3 A
design of short-circuit protection for control circuit  4 A g G fuse ((cu=1 kA), 6 A quick-acting fuse ((cu=1 kA), C1 miniature circuit breaker ((cu=600 A), C6 miniature circuit breaker ((cu=300 A); Is not part of scope of supply)  Inputs/ Outputs  number of digital inputs 1 1 number of digital outputs 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 3 A 2 to rated value 3 A 3 A 4 to C-15 at 250 V rated value 1 A Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 170 mm  depth required spacing with side-by-side mounting 6 forwards 0 mm 0 upwards 100 mm 0 downwards 100 mm 0 townwards 100 mm 10		12.1 ms
design of short-circuit protection for control circuit  4 A g G fuse ((cu=1 kA), 6 A quick-acting fuse ((cu=1 kA), C1 miniature circuit breaker ((cu=600 A), C6 miniature circuit breaker ((cu=300 A); Is not part of scope of supply)  Inputs/ Outputs  number of digital inputs 1 1 number of digital outputs 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 3 A 2 to rated value 3 A 3 A 4 to C-15 at 250 V rated value 1 A Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 170 mm  depth required spacing with side-by-side mounting 6 forwards 0 mm 0 upwards 100 mm 0 downwards 100 mm 0 townwards 100 mm 10	design of the overvoltage protection	Varistor
Inputs/ Outputs  number of digital inputs  number of digital outputs  ont parameterizable  digital output version  number of analog outputs  ot AC-15 at 250 V rated value  at DC-13 at 24 V rated value  1 A  Installation/ mounting/ dimensions  mounting position  fastening method  height  275 mm  width  depth  152 mm  required spacing with side-by-side mounting  of owards  otherwards  othe	design of short-circuit protection for control circuit	breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of
number of digital inputs  number of digital outputs  on parameterizable  digital output version  number of analog outputs  other of analogoutputs  other	Inputs/ Outputs	
number of digital outputs  • not parameterizable 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs 0 switching capacity current of the relay outputs • at AC-15 at 250 V rated value 3 A • at DC-13 at 24 V rated value 1 A  Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatabl	<u> </u>	1
ont 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  vidth  170 mm  depth  required spacing with side-by-side mounting      installation/ mounting      installation/ mounting      installation/ mounting/ dimensions  mounting position  installation/ mounting/ dimensions  mounting position  vith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tillable to the front and back  screw fixing  height  275 mm  vidth  170 mm  depth  required spacing with side-by-side mounting  forwards  pawards  pawards  pawards  pawards  downwards  stype of electrical connection  of or main current circuit  for control circuit  screw-type terminals  vire length for thermistor connection		
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 A  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method screw fixing height 275 mm width 170 mm depth 152 mm  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  screw-type terminals  wire length for thermistor connection	number of digital outputs	
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 A  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  screw fixing  height  275 mm  width  170 mm  depth  required spacing with side-by-side mounting  forwards  backwards  mumards  downwards		
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  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  fastening method  fastening method  height  275 mm  width  170 mm  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  wire length for thermistor connection	not parameterizable	2
at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  ### with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  ### fastening method ### screw fixing ### height ### screw fixing ### width ### 170 mm ### depth ### 152 mm  ### required spacing with side-by-side mounting ### of orwards ### of or orwards ### of or	not parameterizable	2
Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method screw fixing height 275 mm width 170 mm depth 152 mm  required spacing with side-by-side mounting • forwards • backwards • upwards • upwards • downwards • at the side  weight without packaging connections/ Terminals  type of electrical connection • for control circuit • for control circuit • for control circuit  wire length for thermistor connection	not parameterizable     digital output version	2 2 normally-open contacts (NO) / 1 changeover contact (CO)
mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  fastening method screw fixing height 275 mm width 170 mm depth 152 mm required spacing with side-by-side mounting forwards backwards omm backwards omm downwards fownwards formal the side formal the side formal the side formal treminals  type of electrical connection for main current circuit for control circuit screw-type terminals  wire length for thermistor connection	not parameterizable     digital output version     number of analog outputs	2 2 normally-open contacts (NO) / 1 changeover contact (CO)
mounting position     with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back       fastening method     screw fixing       height     275 mm       width     170 mm       depth     152 mm       required spacing with side-by-side mounting     0 mm       e forwards     0 mm       e backwards     0 mm       e upwards     100 mm       e downwards     75 mm       e at the side     5 mm       weight without packaging     2.3 kg       Connections/ Terminals       type of electrical connection     screw-type terminals       e for control circuit     screw-type terminals       wire length for thermistor connection	not parameterizable  digital output version number of analog outputs switching capacity current of the relay outputs	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0
mounting position     with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back       fastening method     screw fixing       height     275 mm       width     170 mm       depth     152 mm       required spacing with side-by-side mounting     0 mm       e forwards     0 mm       e backwards     0 mm       e upwards     100 mm       e downwards     75 mm       e at the side     5 mm       weight without packaging     2.3 kg       Connections/ Terminals       type of electrical connection     screw-type terminals       e for control circuit     screw-type terminals       wire length for thermistor connection	not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  at AC-15 at 250 V rated value	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A
#/- 22.5° tiltable to the front and back  fastening method screw fixing  height 275 mm  width 170 mm  depth 152 mm  required spacing with side-by-side mounting  • forwards 10 mm  • backwards 0 mm  • upwards 100 mm  • downwards 75 mm  • at the side 5 mm  weight without packaging 2.3 kg  Connections/ Terminals  type of electrical connection  • for main current circuit screw-type terminals  • for control circuit screw-type terminals  wire length for thermistor connection	not parameterizable     digital output version     number of analog outputs     switching capacity current of the relay outputs	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A
height 275 mm  width 170 mm  depth 152 mm  required spacing with side-by-side mounting  • forwards 10 mm  • backwards 100 mm  • upwards 100 mm  • downwards 75 mm  • at the side 5 mm  weight without packaging 2.3 kg  Connections/ Terminals  type of electrical connection  • for main current circuit screw-type terminals  • for control circuit screw-type terminals  wire length for thermistor connection	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	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A
width 170 mm  depth 152 mm  required spacing with side-by-side mounting  • forwards • backwards • upwards • downwards • at the side • at the side  weight without packaging  Connections/ Terminals  type of electrical connection • for main current circuit • for control circuit wire length for thermistor connection	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	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
depth     152 mm       required spacing with side-by-side mounting     10 mm       • forwards     0 mm       • backwards     100 mm       • downwards     75 mm       • at the side     5 mm       weight without packaging     2.3 kg       Connections/ Terminals       type of electrical connection     screw-type terminals       • for main current circuit     screw-type terminals       • for control circuit     screw-type terminals       wire length for thermistor connection	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	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
required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side  • at the side   **weight without packaging  **Connections/ Terminals  **type of electrical connection  • for main current circuit  • for control circuit  **screw-type terminals  **wire length for thermistor connection	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	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 275 mm
<ul> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>the side</li> <li>mm</li> <li>weight without packaging</li> <li>2.3 kg</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>screw-type terminals</li> </ul> wire length for thermistor connection wire length for thermistor connection	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	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 275 mm 170 mm
<ul> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>5 mm</li> <li>weight without packaging</li> <li>2.3 kg</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>screw-type terminals</li> </ul> For control circuit <ul> <li>screw-type terminals</li> </ul> <li>wire length for thermistor connection</li>	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	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 275 mm 170 mm
<ul> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>5 mm</li> <li>weight without packaging</li> <li>2.3 kg</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>screw-type terminals</li> </ul> wire length for thermistor connection wire length for thermistor connection	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	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 275 mm 170 mm
<ul> <li>downwards</li> <li>at the side</li> <li>5 mm</li> <li>weight without packaging</li> <li>2.3 kg</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for control circuit</li> <li>screw-type terminals</li> <li>interminals</li> <li>interminals</li> <li>interminals</li> </ul> wire length for thermistor connection	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	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 275 mm 170 mm 152 mm
<ul> <li>downwards</li> <li>at the side</li> <li>5 mm</li> <li>weight without packaging</li> <li>2.3 kg</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for control circuit</li> <li>screw-type terminals</li> <li>interminals</li> <li>interminals</li> <li>interminals</li> </ul> wire length for thermistor connection	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	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 275 mm 170 mm 152 mm
<ul> <li>◆ at the side 5 mm</li> <li>weight without packaging 2.3 kg</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>◆ for main current circuit screw-type terminals</li> <li>◆ for control circuit screw-type terminals</li> <li>wire length for thermistor connection</li> </ul>	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	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 275 mm 170 mm 152 mm  10 mm 0 mm
weight without packaging  Connections/ Terminals  type of electrical connection  • for main current circuit  • for control circuit  wire length for thermistor connection	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	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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm
type of electrical connection  • for main current circuit screw-type terminals  • for control circuit screw-type terminals  wire length for thermistor connection	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         • downwards	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 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
type of electrical connection  • for main current circuit screw-type terminals  • for control circuit screw-type terminals  wire length for thermistor connection	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         • downwards         • at the side	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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm
• for main current circuit • for control circuit • for control circuit  wire length for thermistor connection  screw-type terminals  screw-type terminals	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         • downwards         • at the side weight without packaging	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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm
• for control circuit screw-type terminals  wire length for thermistor connection	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         • downwards         • at the side weight without packaging Connections/ Terminals	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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm
wire length for thermistor connection	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         • downwards         • at the side  weight without packaging  Connections/ Terminals type of electrical connection	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 275 mm 170 mm 152 mm  0 mm 0 mm 100 mm 75 mm 5 mm 5 mm 2.3 kg
	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         • 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) 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 275 mm 170 mm 152 mm  0 mm 0 mm 100 mm 75 mm 5 mm 5 mm 2.3 kg
with conductor cross-section = 0.5 mm² maximum     50 m	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         • 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) 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 5 mm 5 mm 2.3 kg
	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         • downwards         • at the side  weight without packaging  Connections/ Terminals  type of electrical connection         • for control circuit         • for control circuit	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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 5 mm 5 mm 2.3 kg

• 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 main contacts</li> </ul>	
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
<ul> <li>for AWG cables for main current circuit solid</li> </ul>	2x (16 12), 2x (14 8)
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)
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	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
at the digital inputs at AC maximum	100 m
at the digital inputs at DC maximum	1 000 m
tightening torque	
for main contacts with screw-type terminals	2 2.5 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	18 22 lbf·in
for auxiliary and control contacts with screw-type	7 10.3 lbf·in
terminals	10.3 lbf iii
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 $$
<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 module is supported	
<ul> <li>PROFINET standard</li> </ul>	Yes
EtherNet/IP	Yes
<ul> <li>Modbus RTU</li> </ul>	Yes
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
— usable for High Faults at 460/480 V according to UL	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA
— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
usable for High Faults at 460/480 V at inside-delta circuit according to UL	Siemens type: 3VA51, max. 60 A; Iq max = 65 kA
usable for Standard Faults at 575/600 V according to UL	
	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
<ul> <li>usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
<ul> <li>delta circuit according to UL</li> <li>of the fuse</li> <li>— usable for Standard Faults up to 575/600 V</li> </ul>	
delta circuit according to UL  • of the fuse	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
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	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  Type: Class RK5 / K5, max. 125 A; lq = 5 kA

575/600 V according to UL	
operating power [hp] for 3-phase motors	
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	7.5 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	10 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	20 hp
<ul> <li>at 575/600 V at 50 °C rated value</li> </ul>	25 hp
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp
• at 220/230 V at inside-delta circuit at 50 °C rated value	15 hp
• at 460/480 V at inside-delta circuit at 50 °C rated value	30 hp
• at 575/600 V at inside-delta circuit at 50 °C rated value	40 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
electromagnetic compatibility	in accordance with IEC 60947-4-2
Certificates/ approvals	
_	

**General Product Approval** 







Confirmation







**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

## Further information

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=3RW5216-1TC05

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5216-1TC05

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1TC05

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5216-1TC05\&lang=en}}$ 

Characteristic: Tripping characteristics, I²t, Let-through current

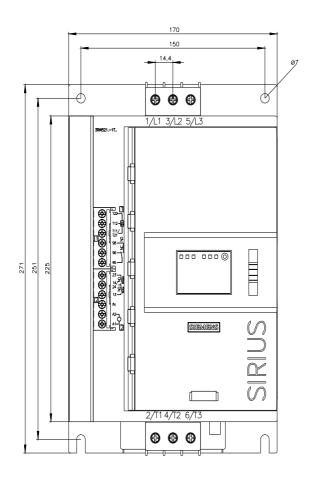
https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1TC05/char

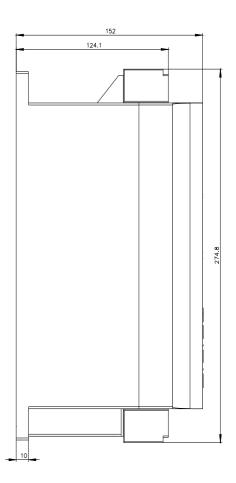
Characteristic: Installation altitude

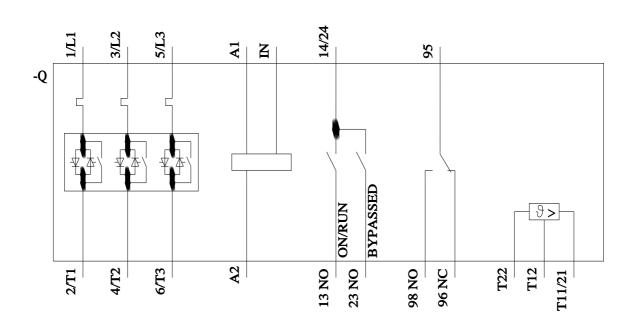
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5216-1TC05&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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