SIEMENS

Data sheet

3RW5215-3TC05



SIRIUS soft starter 200-600 V 25 A, 24 V AC/DC spring-type terminals Thermistor input

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
 of standard HMI module usable 	<u>3RW5980-0HS00</u>
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>
 of circuit breaker usable at 400 V 	3RV2032-4EA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4VA10: Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3RV2032-4VA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3822-6; Type of coordination 1, Iq = 65 kA
\bullet of the gG fuse usable at inside-delta circuit up to 500 V	<u>3NA3822-6: Type of coordination 1. Iq = 65 kA</u>
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1817-0: Type of coordination 2. Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8021-1: Type of coordination 2, Iq = 65 kA</u>
Seneral 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
-	Yes
• is supported HMI-Standard	

trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	
 for main current circuit 	100 ms
for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	
 ramp-up (soft starting) 	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
 adjustable current limitation 	Yes
• pump ramp down	Yes
intrinsic device protection	Yes
 motor overload protection 	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	25 A
• at 50 °C rated value	22 A
• at 60 °C rated value	20 A
operational current at inside-delta circuit	
• at 40 °C rated value	43.3 A
 at 50 °C rated value 	39 A
 at 60 °C rated value 	33.9 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	10 %
inside-delta circuit operating power for 3-phase motors	
oporating portor for o-phase motors	

• at 400 V at 40 °C rated value11 kW• at 400 V at inside-delta circuit at 40 °C rated value15 kW• at 500 V at inside-delta circuit at 40 °C rated value15 kW• at 500 V at inside-delta circuit at 40 °C rated value50 kzOperating frequency 1 rated value60 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency10 %relative negative tolerance of the operating frequency10 %adjustable motor current11.5 A• at rotary coding switch on switch position 111.5 A• at rotary coding switch on switch position 313.3 A• at rotary coding switch on switch position 414.2 A• at rotary coding switch on switch position 515.1 A• at rotary coding switch on switch position 716.9 A• at rotary coding switch on switch position 710.9 A• at rotary coding switch on switch position 110.5 A• at rotary coding switch on switch position 110.6 A• at rotary coding switch on switch position 120.5 A• at rotary coding switch on switch position 120.5 A• at rotary coding switch on switch position 1322.3 A• at rotary coding switch on switch position 1423.2 A• at rotary coding switch on switch position 1524.1 A• at rotary coding switch on switch position 1423.2 A• at rotary coding switch on switch position 1524.1 A• at rotary coding switch on switch position 1524.1 A• at rotary coding switch on switch position 1625 A•	 for inside-delta circuit at rotary coding switch on 	27.7 A
 et 400 V at inside-delta circuit at 40 °C rated value at 500 V at inside-delta circuit at 40 °C rated value 22 kW 20 perating frequency 1 rated value 50 Hz 60 Hz 71 0 % 72 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	 for inside-delta circuit at rotary coding switch on switch position 5 	26.2 A
• at 400 V at inside-delta circuit at 40 °C rated value 18.5 kW • at 500 V at 40 °C rated value 15 kW • at 500 V at inside-delta circuit at 40 °C rated value 22 kW Operating frequency 1 rated value 60 Hz • at rolary coding switch on switch position 1 10 % • at rolary coding switch on switch position 2 12.4 A • at rolary coding switch on switch position 5 15.1 A • at rolary coding switch on switch position 7 16.9 A • at rolary coding switch on switch position 7 16.9 A • at rolary coding switch on switch position 7 16.9 A • at rolary coding switch on switch position 7 16.9 A • at rolary coding switch on switch position 7 16.9 A • at rolary coding switch on switch position 7 16.9 A • at rolary coding switch on switch position 11 20.5 A • at rolary coding switch on switch position 11 20.5 A • at rolary coding switch on switch position 12 21.4 A • at rolary coding switch on switch position 12 21.4 A • at rolary coding switch on switch position 12 21.4 A • at rolary coding switch on switch position 13 23.2 A • at rolary coding switch on switch position 14 23.		24.6 A
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 at 400 V at inside-delta circuit at 40 °C rated value at 500 V at 40 °C rated value at 500 V at inside-delta circuit at 40 °C rated value 22 kW 	Operating frequency 2 rated value	60 Hz
 at 400 V at inside-delta circuit at 40 °C rated value at 500 V at 40 °C rated value 18.5 kW 15 kW 	Operating frequency 1 rated value	50 Hz
 at 400 V at inside-delta circuit at 40 °C rated value at 500 V at 40 °C rated value 18.5 kW 15 kW 		
• at 400 V at inside-delta circuit at 40 °C rated value 18.5 kW		
	• at 500 V at 40 °C rated value	15 kW
• at 400 V at 40 °C rated value 11 kW	 at 400 V at inside-delta circuit at 40 °C rated value 	18.5 kW
	 at 400 V at 40 °C rated value 	11 kW
• at 230 V at inside-delta circuit at 40 °C rated value 11 kW	 at 230 V at inside-delta circuit at 40 °C rated value 	11 kW
• at 230 V at 40 °C rated value 5.5 kW		5.5 KVV

 at 40 °C after startup 	20 W
• at 50 °C after startup	19 W
• at 60 °C after startup	18 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	376 W
• at 50 °C during startup	318 W
• at 60 °C during startup	278 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 frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply voltage	
 at DC rated value 	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	360 mA
locked-rotor current at close of bypass contact maximum	0.75 A
inrush current peak at application of control supply voltage maximum	3.3 A
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
 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	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
fastening method	screw fixing
height	275 mm
width	170 mm
depth	152 mm
required spacing with side-by-side mounting	10 mm
• forwards	10 mm
backwards	0 mm
 upwards 	100 mm

	● downwards	75 mm
weight without packaging 2.1 kg Connections/Terminals type of electrical connection • for main current circuit screw-type terminals • with conductor cross-section = 0.5 mm² maximum screw-type terminals • with conductor cross-section = 1.5 mm² maximum 50 m • with conductor cross-section = 1.5 mm² maximum 50 m • with conductor cross-section = 0.5 mm² maximum 50 m • of main contacts - solid - solid - solid - ninely stranded with core end processing 2x (10 2.5 mm²), 2x (2.5 10 mm²) • for control circuit finely stranded with core end processing 2x (0.25 1.5 mm²) • for control circuit finely stranded with core end processing 2x (0.25 1.5 mm²) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) wire length • between soft starter and motor maximum 800 m • at the digital inputs at DC maximum 100 m 100 m • tightening torque • for auxiliary and control contacts with screw-type terminals 2 2.5 Nm 0.8 1.2 Nm		
Connections/Terminals type of electrical connection • for main current circuit • for control circuit • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-sections • for main contacts solid 250 m type of connectable conductor cross-sections • for main contacts solid 2x (10 2.5 mm²), 2x (2.5 10 mm²) e for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at the digital inputs at DC maximum • between soft starter and motor maximum • at the digital inputs at DC maximum • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type • formain contacts with screw-type terminals <td></td> <td></td>		
• for main current circuit • for control circuit screw-type terminals spring-loaded terminals • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum 250 m 250 m 250 m 22 (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 6.0 m²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (1 0 2.5 mm²), 2x (2.5 10 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 2x 25 N·m 0.8 12 N·m 1000 m 1000 m	Connections/ Terminals	
• for control circuit spring-boaded terminals wire length for thermistor connection	type of electrical connection	
wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 0.5 mm² maximum 50 m • with conductor cross-sections • for main contacts - solid 250 m	 for main current circuit 	screw-type terminals
• with conductor cross-section = 0.5 mm² maximum 50 m • with conductor cross-section = 1.5 mm² maximum 250 m • with conductor cross-sections • for main contacts • or main contacts - solid - solid 2x (1.0 2.5 mm³), 2x (2.5 10 mm²) - solid 2x (1.0 2.5 mm³), 2x (2.5 10 mm²) • at AWG cables for main current circuit solid 2x (0.25 15 mm²) • for control circuit finely stranded with core end processing 2x (0.25 1.5 mm²) • for control circuit finely stranded with core end processing 2x (0.25 1.5 mm²) • for control circuit finely stranded with core end processing 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) • between soft starter and motor maximum 800 m • at the digital inputs at DC maximum 1000 m • for maxiliary and control contacts with screw-type terminals 0.8 1.2 N·m • for axiliary and control contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see catalog installation alti	for control circuit	spring-loaded terminals
• with conductor cross-section = 1.5 mm ³ maximum 150 m • with conductor cross-section = 2.5 mm ³ maximum 250 m • for main contacts - solid • of romain contacts - solid • a KWC cables for main current circuit solid 2x (1.0 2.5 mm ³), 2x (2.5 10 mm ³) • to control circuit solid 2x (1.0 2.5 mm ³), 2x (2.5 40 mm ³) • to control circuit solid 2x (1.0 2.5 mm ³), 2x (2.5 40 mm ³) • for control circuit solid 2x (1.0 2.5 mm ³), 2x (2.5 40 mm ³) • for control circuit solid 2x (1.0 2.5 mm ³), 2x (2.5 40 mm ³) • for control circuit solid 2x (1.0 2.5 mm ³) • for control circuit solid 2x (2.5 1.5 mm ³) • at AWC cables for control circuit solid 2x (2.4 16) • at AWC cables for control circuit solid 2x (2.4 16) • at AWC cables for control circuit solid 2x (2.4 16) • at the digital inputs at AC maximum 800 m • between soft starter and motor maximum 800 m • for main contacts with screw-type terminals 0.8 1.2 N·m • for maxiliary and control contacts with screw-type 2 2.5 N·m • for main contacts with screw-type terminals 5 000 m; Derating as	wire length for thermistor connection	
• with conductor cross-section = 2.5 mm² maximum 250 m type of connectable conductor cross-sections • for main contacts - solid 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) • at AWG cables for main current circuit solid 2x (0.25 1.5 mm²) • for control circuit finely stranded with core end processing 2x (0.25 1.5 mm²) • for control circuit finely stranded with core end processing 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) • at the digital inputs at DC maximum 800 m • at the digital inputs at DC maximum 100 m • for main contacts with screw-type terminals 2 2.5 N·m • for auxiliary and control contacts with screw-type terminals 18 22 lbf in • for auxiliary and control contacts with screw-type terminals 5.000 m; Derating as of 1000 m, see catalog Installation altitude at height above sea level maximum 5.000 m; Derating as of 1000 m, see catalog ambient temperature <	 with conductor cross-section = 0.5 mm² maximum 	50 m
type of connectable conductor cross-sections • for main contacts - solid - finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid type of connectable conductor cross-sections • for control circuit solid 2x (10 2.5 mm ²), 2x (2.5 10 mm ²) 2x (10 2.5 mm ²), 2x (2.5 10 mm ²) 2x (10 2.5 mm ²), 2x (2.5 10 mm ²) 2x (10 2.5 mm ²), 2x (2.5 10 mm ²) 2x (10 2.5 mm ²), 2x (2.5 10 mm ²) 2x (10 2.5 mm ²), 2x (2.5 10 mm ²) 2x (10 2.5 mm ²), 2x (2.5 10 mm ²) 2x (0.25 1.5 mm ²) 2x (0.25 1.5 mm ²) 2x (0.25 1.5 mm ²) 2x (24 16) 2x (25 1.5 mm ²) 2x (24 16) 2x (25 1.5 mm ²) 2x (10 2.5 Mm 0.0 m <td> with conductor cross-section = 1.5 mm² maximum </td> <td>150 m</td>	 with conductor cross-section = 1.5 mm² maximum 	150 m
 for main contacts sold sold finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid x (1025 mm²), 2x (25 40 mm²) 2x (148) type of connectable conductor cross-sections for control circuit solid x (0.2515 mm²) x (0.2516 m²) x (0.2516 m²)		250 m
• at AWG cables for main current circuit solid 2x (16 12), 2x (14 8) type of connectable conductor cross-sections • for control circuit solid 2x (0.25 1.5 mm²) • for control circuit finely stranded with core end processing 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) • at AWG cables for control circuit solid 2x (24 16) 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) 2x (24 16) wire length • between soft starter and motor maximum 800 m 2x (24 16) • at the digital inputs at AC maximum 100 m 1000 m 1000 m • at the digital inputs at DC maximum 100 m 2 2.5 N·m 0.8 1.2 N·m • for main contacts with screw-type terminals 2 2.5 N·m 0.8 1.2 N·m • for main contacts with screw-type terminals 18 22 lbf-in 7 10.3 lbf-in • for main contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog • for main contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog • for main contacts with screw-type terminals 18 22 lbf-in • for main contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog		
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 bit control circuit finely stranded with core end processing at AWG cables for control circuit solid at AWG cables for control circuit finely stranded with core end processing at AWG cables for control circuit finely stranded with core end processing wire length between soft starter and motor maximum at the digital inputs at AC maximum at the digital inputs at DC maximum too main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tor auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type during operation during operation during storage and transport 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 		$2 \times (0.25 - 1.5 \text{ mm}^2)$
processing • at AWG cables for control circuit solid 2x (24 16) • at AWG cables for control circuit finely stranded with core end processing 2x (24 16) wire length • between soft starter and motor maximum 800 m • at the digital inputs at AC maximum 100 m • at the digital inputs at DC maximum 1000 m • for main contacts with screw-type terminals 2 2.5 N·m • for main contacts with screw-type terminals 0.8 1.2 N·m • for auxiliary and control contacts with screw-type terminals 18 22 lbf-in • for auxiliary and control contacts with screw-type terminals 18 22 lbf-in • for auxiliary and control contacts with screw-type terminals 6.000 m; Derating as of 1000 m, see catalog • for auxiliary and control contacts with screw-type 7 10.3 lbf-in Installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see catalog • during operation -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during storage and transport -40 +80 °C • 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		
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wire length 800 m • between soft starter and motor maximum 800 m • at the digital inputs at AC maximum 100 m • at the digital inputs at DC maximum 1 000 m • tightening torque 2 2.5 N·m • for main contacts with screw-type terminals 2 2.5 N·m • for auxiliary and control contacts with screw-type terminals 0.8 1.2 N·m tightening torque [lbf·in] 6 or main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals 18 22 lbf·in • for auxiliary and control contacts with screw-type terminals 18 22 lbf·in • for auxiliary and control contacts with screw-type terminals 18 22 lbf·in • for auxiliary and control contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see catalog ambient temperature -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during operation -25 +80 °C • during operation -40 +80 °C • 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 <td></td> <td>2x (24 16)</td>		2x (24 16)
• between soft starter and motor maximum 800 m • at the digital inputs at AC maximum 100 m • at the digital inputs at DC maximum 1 000 m tightening torque 0.8 1.2 N·m • for main contacts with screw-type terminals 0.8 1.2 N·m • for main contacts with screw-type terminals 18 22 lbf·in • for auxiliary and control contacts with screw-type 7 10.3 lbf·in tightening torque (lbf·in] 18 22 lbf·in • for auxiliary and control contacts with screw-type 7 10.3 lbf·in terminals 18 22 lbf·in • for auxiliary and control contacts with screw-type 7 10.3 lbf·in ambient conditions 5 000 m; Derating as of 1000 m, see catalog • during operation -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during storage and transport -40 +80 °C environmental category 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		
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• during operation -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during storage and transport -40 +80 °C • environmental category • during operation according to IEC 60721 • SK6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		5 000 m, Derating as or 1000 m, see catalog
• during storage and transport -40 +80 °C • 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		-25 +60 °C: Please observe derating at temperatures of 40 °C or
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		
• 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	 during storage and transport 	-40 +80 °C
mist), 3S2 (sand must not get into the devices), 3M6		
	 during operation according to IEC 60721 	
• during storage according to IEC 60721 TK6 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand mil	a during planage according to IEO 00704	
not get inside the devices), 1M4	uning storage according to IEC 60721	
during transport according to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	 during transport according to IEC 60721 	-
EMC emitted interference acc. to IEC 60947-4-2: Class A		
Communication/ Protocol	Communication/ Protocol	
communication module is supported	communication module is supported	
PROFINET standard Yes		Yes
• EtherNet/IP Yes	EtherNet/IP	Yes
Modbus RTU Yes	Modbus RTU	Yes
Modbus TCP Yes	Modbus TCP	Yes
PROFIBUS Yes	PROFIBUS	Yes
UL/CSA ratings	UL/CSA ratings	
manufacturer's article number	manufacturer's article number	
of circuit breaker		
- usable for Standard Faults at 460/480 V Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA according to UL	according to UL	
 — 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 	о	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA

 — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA
— usable for High Faults at 460/480 V at insid delta circuit according to UL	de- Siemens type: 3VA51, max. 60 A; lq max = 65 kA
— usable for Standard Faults at 575/600 V according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA
	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA
• of the fuse	
 of the fuse — usable for Standard Faults up to 575/600 V according to UL 	/ Type: Class RK5 / K5, max. 100 A; lq = 5 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 100 A; lq = 100 kA
— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class RK5 / K5, max. 100 A; lq = 5 kA
 usable for High Faults at inside-delta circui to 575/600 V according to UL 	t up Type: Class J / L, max. 100 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value	5 hp
• at 220/230 V at 50 °C rated value	7.5 hp
• at 460/480 V at 50 °C rated value	15 hp
• at 575/600 V at 50 °C rated value	20 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 rate value	
at 460/480 V at inside-delta circuit at 50 °C rated value	
at 575/600 V at inside-delta circuit at 50 °C rated value	
contact rating of auxiliary contacts according to U	L R300-B300
Safety related data	
protection class IP on the front according to IEC 60529	IP20
	200 Earner and franker that from the fourth
touch protection on the front according to IEC 605 electromagnetic compatibility	finger-safe, for vertical contact from the front in accordance with IEC 60947-4-2
Certificates/ approvals	
General Product Approval	EMC
Confirmation	
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Declaration of Conformity Test C	Certificates Marine / Shipping
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Further information	hures,)

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5215-3TC05 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5215-3TC05 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW5215-3TC05 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5215-3TC05&lang=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5215-3TC05/char Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5215-3TC05&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917

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