SIEMENS

Data sheet

3RW5214-3TC05



SIRIUS soft starter 200-600 V 18 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 	<u>3RV2032-4DA10;</u> Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	<u>3RV2032-4DA10</u> ; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3RV2032-4EA10;</u> Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3RV2032-4EA10;</u> Type of coordination 1, Iq = 15 kA, CLASS 10
 of the gG fuse usable up to 690 V 	<u>3NA3820-6;</u> Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3820-6;</u> Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1802-0;</u> Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8020-1;</u> Type of coordination 2, Iq = 65 kA
General 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
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	

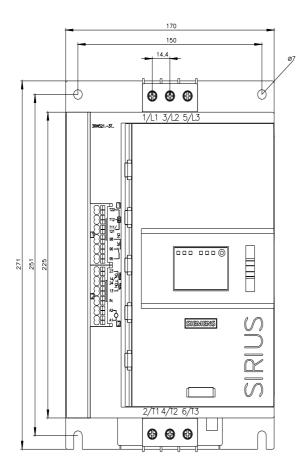
for main current circuit	100 ms		
for control circuit	100 ms		
insulation voltage rated value	600 V		
degree of pollution	3, acc. to IEC 60947-4-2		
impulse voltage rated value	6 kV		
blocking voltage of the thyristor maximum	1 600 V		
service factor	1		
surge voltage resistance rated value	6 kV		
maximum 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	18 A		
at 50 °C rated value	15.9 A		
at 60 °C rated value	13.8 A		
operational current at inside-delta circuit			
• at 40 °C rated value	31.5 A		
● at 50 °C rated value	28 A		
• at 60 °C rated value	23.9 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 inside-delta circuit	10 %		
operating power for 3-phase motors			
 at 230 V at 40 °C rated value 	4 kW		
 at 230 V at inside-delta circuit at 40 °C rated value 	7.5 kW		
• at 400 V at 40 °C rated value	7.5 kW		
 at 400 V at inside-delta circuit at 40 °C rated value 	15 kW		
• at 500 V at 40 °C rated value	11 kW		

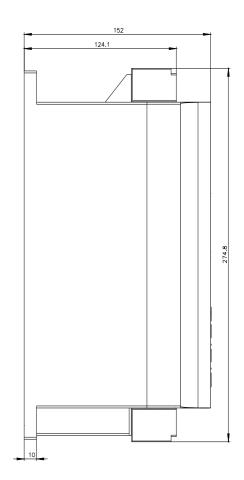
 at 500 V at inside-delta circuit at 40 °C rated value 	18.5 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
 at rotary coding switch on switch position 1 	7.5 A
 at rotary coding switch on switch position 2 	8.2 A
 at rotary coding switch on switch position 3 	8.9 A
 at rotary coding switch on switch position 4 	9.6 A
 at rotary coding switch on switch position 5 	10.3 A
 at rotary coding switch on switch position 6 	11 A
 at rotary coding switch on switch position 7 	11.7 A
 at rotary coding switch on switch position 8 	12.4 A
 at rotary coding switch on switch position 9 	13.1 A
 at rotary coding switch on switch position 10 	13.8 A
 at rotary coding switch on switch position 11 	14.5 A
 at rotary coding switch on switch position 12 	15.2 A
 at rotary coding switch on switch position 13 	15.9 A
 at rotary coding switch on switch position 14 	16.6 A
 at rotary coding switch on switch position 15 	17.3 A
 at rotary coding switch on switch position 16 	18 A
• minimum	7.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	13 A
 for inside-delta circuit at rotary coding switch on switch position 2 	14.2 A
 for inside-delta circuit at rotary coding switch on switch position 3 	15.4 A
 for inside-delta circuit at rotary coding switch on switch position 4 	16.6 A
 for inside-delta circuit at rotary coding switch on switch position 5 	17.8 A
 for inside-delta circuit at rotary coding switch on switch position 6 	19.1 A
 for inside-delta circuit at rotary coding switch on switch position 7 	20.3 A
 for inside-delta circuit at rotary coding switch on switch position 8 	21.5 A
 for inside-delta circuit at rotary coding switch on switch position 9 	22.7 A
 for inside-delta circuit at rotary coding switch on switch position 10 	23.9 A
 for inside-delta circuit at rotary coding switch on switch position 11 	25.1 A
 for inside-delta circuit at rotary coding switch on switch position 12 	26.3 A
 for inside-delta circuit at rotary coding switch on switch position 13 	27.5 A
 for inside-delta circuit at rotary coding switch on switch position 14 	28.8 A
 for inside-delta circuit at rotary coding switch on switch position 15 	30 A
 for inside-delta circuit at rotary coding switch on switch position 16 	31.2 A
 at inside-delta circuit minimum 	13 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	17 W
● at 50 °C after startup	17 W
• at 60 °C after startup	16 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	276 W
• at 50 °C during startup	241 W
• at 60 °C during startup	200 W
Control circuit/ Control	

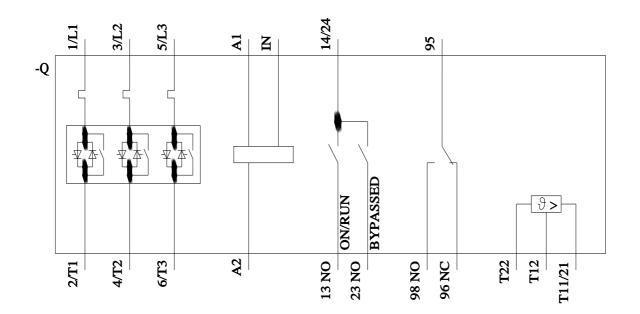
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
 at 50 Hz rated value 	24 V
 at 60 Hz rated value 	24 V
relative negative tolerance of the control supply	-20 %
voltage at AC at 50 Hz relative positive tolerance of the control supply	20 %
voltage at AC at 50 Hz relative negative tolerance of the control supply	-20 %
voltage at AC at 60 Hz	
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	-10 %
voltage frequency relative positive tolerance of the control supply	10 %
voltage frequency	
control supply voltage	2011
• 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
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
	5
fastening method	screw fixing
height	
-	screw fixing
height	screw fixing 275 mm
height width depth required spacing with side-by-side mounting	screw fixing 275 mm 170 mm 152 mm
height width depth required spacing with side-by-side mounting • forwards	screw fixing 275 mm 170 mm 152 mm
height width depth required spacing with side-by-side mounting • forwards • backwards	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
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	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • 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	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals spring-loaded terminals
height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • 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 • with conductor cross-section = 0.5 mm ² maximum	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals spring-loaded terminals 50 m
height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit • for control circuit wire length for thermistor connection • with conductor cross-section = 0.5 mm ² maximum • with conductor cross-section = 1.5 mm ² maximum	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals spring-loaded terminals 50 m 150 m
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 wire length for thermistor connection • with conductor cross-section = 0.5 mm ² maximum • with conductor cross-section = 1.5 mm ² maximum • with conductor cross-section = 2.5 mm ² maximum	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals spring-loaded terminals 50 m
height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit • for control circuit wire length for thermistor connection • with conductor cross-section = 0.5 mm ² maximum • with conductor cross-section = 1.5 mm ² maximum	screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals spring-loaded terminals 50 m 150 m

 - sold - sold				
• at AWG tables for main current circuit solid 24 (16 12), 24 (14 8) • for control circuit solid 24 (0.25 15 mm ²) • of control circuit solid 24 (0.25 15 mm ²) • at AWG tables for control circuit solid 24 (0.25 15 mm ²) • at AWG tables for control circuit solid 24 (0.25 15 mm ²) • at AWG tables for control circuit solid 24 (2.4 16) • at AWG tables for control circuit solid 24 (2.4 16) • at the digital inputs at OC maximum 800 m • at the digital inputs at OC maximum 100 m • for main controls with screw-type terminals 2 2 N m • for auxiliary and control contacts with screw-type 18 12 N m • for auxiliary and control contacts with screw-type 7 10.3 lbf in • for auxiliary and control contacts with screw-type 5.000 m; Derating as of 1000 m, see catalog • during operation -25 +60 'C; Please doserve derating at temperatures of 40 °C or alove • during operation according to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mais, 3S2 (sand must not get inside the devices), 1M4 • during operation according to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mais, 3S2 (sand must not get inside the devices), 1M4 • during operatio	— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)		
type of connectable conductor cross-sections > • for control circuit finaly stranded with core end processing 2x (0.251.5 mm?) • at AVKS cables for control circuit finaly stranded with core end processing 2x (2416) • at AVKS cables for control circuit finaly stranded with core end processing 2x (2416) • at the digital inputs at AC maximum 800 m • at the digital inputs at CC maximum 1000 m • of racial control contacts with screw-kype terminals 22.5 Nm • for main contacts with screw-kype terminals 182.2 lb/in • for acalizing and control contacts with screw-kype terminals 182.2 lb/in • for main contacts with screw-kype terminals 5.000 m; Denaling as of 1000 m, see caladog • minatellation attubute at helight above sea level maximum embient trango peration 25 + 60 °C; Please observe derating at temperatures of 40 °C or above during storage according to IEC 60721 • during storage according to IEC 60721 252 (2128.1, 2M2 (max. fait helight 10.3 m) eact in the deration of actions allows at misstore, 152 (sam dmax to tol get in to the derations, 3.06 • during storage according to IEC 60721 242.2 (21., 28.1, 2M2 (max. fait helight 3.3 m) eact in the deration according to IEC 60721 • during storage according to IEC 60721 242.2 (21., 28.1, 2M2 (max. fait helight 3.3 m) eact in thef				
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	 at the digital inputs at DC maximum 	1 000 m		
	tightening torque			
terminals for the formation contacts with screw-type terminals tightening torque (IbFin) for main contacts with screw-type terminals Ambient conditions installation and control contacts with screw-type terminals Ambient conditions for auxiliary and control contacts with screw-type terminals Ambient conditions for auxiliary and control contacts with screw-type terminals for auxiliary and the set to a score and the set to a score according to IEC 60721 for auxiliary and the devices, 1M4 for auxiliary and the devices, 1M4 for auxiliary and the set to a score according to IEC 60721 for auxiliary and the devices for auxiliary and the devices for auxiliary and the device according to IEC 60721 for auxiliary and the device according to IEC 60721 for auxiliary and the device according to IEC 60721 for auxiliary and the device according to IEC 60721 for auxiliary and the device according to IEC 60721 for auxiliary and the device according to IEC 60721 for auxiliary and the device according to IEC 60721 for auxiliary and the device according to IEC 60721 for auxiliary and the device acc				
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• for auxiliary and control contacts with screw-type terminals 7 10.3 lbf in Ambient conditions 5 000 m; Derating as of 1000 m, see catalog installation altitude at height above sea level maximum ambient temperature • during operation 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 operation according to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt misil, 3S2 (sand must not get into the devices), 3M6 • during transport according to IEC 60721 3K6 (no ice formation, only occasional condensation), 1C2 (no salt misit), 1S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 2K2, 2c1, 282 (max. full height 0.3 m) acc. to IEC 60947.4-2; Class A Communication module is supported Yes • PROFINET standard Yes • Modbus TCP Yes • PROFINET standard Yes • usable for Standard Faults at 460/480 V according to UL Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA • usable for Standard Faults at 460/480 V a coording to UL Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA • usable for Standard Faults at 450/480 V a coording to UL Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA • usable for Standard Faults at 457/600 V a		18 22 lhf.in		
Amblent conditions installation at hitde at height above sea level maximum amblent conditions installation at hitde at height above sea level maximum amblent temperature • during operation • during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • econting to IL • usable for Standard Faults at 460/480 V according to IL • usable for Standard Faults at 460/4				
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ambient temperature -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during storage and transport -40 +80 °C • during storage and transport -40 +80 °C • during storage according to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6 • during transport according to IEC 60721 3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 Yes • Communication module is supported Yes • PROFIBUS Yes • Modbus RTU Yes • of circuit transker Siemens type: 3RV2742, max. 60 A or 3VA51, max. 50 A; l	installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog		
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PROFIBUS Yes UL/CSA ratings manufacturer's article number of circuit breaker	EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes		
UL/CSA ratings manufacturer's article number • of circuit breaker - usable for Standard Faults at 460/480 V according to UL - usable for High Faults at 460/480 V according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for High Faults at 575/600 V according to UL - usable for Standard Faults at 575/600 V according to UL - usable for Standard Faults at 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults at inside-delta circuit 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 - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for Hig	EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes		
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according to ULSiemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA	EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
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 inside-delta circuit according to UL usable for High Faults at 460/480 V at inside- delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults 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 Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard 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 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 type: Class RK5 / K5, max. 70 A; lq = 5 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA 	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	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes		
delta circuit according to ULSiemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA	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 — usable for High Faults at 460/480 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65		
according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA • of the fuse — usable for Standard Faults up to 575/600 V according to UL Type: Class RK5 / K5, max. 70 A; Iq = 5 kA — usable for High Faults up to 575/600 V according to UL Type: Class RK5 / K5, max. 70 A; Iq = 5 kA — usable for High Faults up to 575/600 V according to UL Type: Class J / L, max. 70 A; Iq = 100 kA — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL Type: Class RK5 / K5, max. 70 A; Iq = 5 kA — usable for Standard Faults at inside-delta circuit up Type: Class RK5 / K5, max. 70 A; Iq = 5 kA — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 70 A; Iq = 100 kA	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 — usable for High Faults at 460/480 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA		
 inside-delta circuit according to UL of the fuse usable for Standard Faults up to 575/600 V usable for High Faults up to 575/600 V usable for High Faults up to 575/600 V Type: Class RK5 / K5, max. 70 A; lq = 5 kA Type: Class J / L, max. 70 A; lq = 100 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA Type: Class RK5 / K5, max. 70 A; lq = 100 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA 	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 — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA		
 usable for Standard Faults up to 575/600 V usable for High Faults up to 575/600 V usable for High Faults up to 575/600 V usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up usable for High Faults at inside-delta circuit up usable for High Faults at inside-delta circuit up Type: Class RK5 / K5, max. 70 A; Iq = 100 kA Type: Class RK5 / K5, max. 70 A; Iq = 5 kA Type: Class J / L, max. 70 A; Iq = 5 kA 	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 - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for High Faults at 460/480 V at inside- delta circuit according to UL - usable for Standard Faults at 575/600 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA		
 usable for High Faults up to 575/600 V Type: Class J / L, max. 70 A; lq = 100 kA 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 usable for High Faults at inside-delta circuit up Type: Class RK5 / K5, max. 70 A; lq = 5 kA Type: Class J / L, max. 70 A; lq = 100 kA 	EMC emitted interference 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 - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside- delta circuit according to UL - usable for Standard Faults at 575/600 V according to UL - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA		
 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 Type: Class RK5 / K5, max. 70 A; Iq = 5 kA Type: Class J / L, max. 70 A; Iq = 100 kA 	EMC emitted interference 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 - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 575/600 V according to UL - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA		
— usable for High Faults at inside-delta circuit up Type: Class J / L, max. 70 A; Iq = 100 kA	EMC emitted interference 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 - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 575/600 V according to UL - usable for Standard Faults 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 Standard Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes		
	EMC emitted interference 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 - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 575/600 V according to UL - usable for Standard Faults up to 575/600 V 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 High Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes		

value • at 220/230 V at i value • at 460/480 V at i value	50 °C rated value 50 °C rated value 50 °C rated value	0 °C rated	3 hp 5 hp 10 hp 10 hp 7.5 hp 7.5 hp 20 hp 25 hp			
contact rating of aux	liary contacts accord	ding to UL	R300-B300			
Safety related data						
protection class IP or	n the front according	to IEC	IP20			
60529 touch protection on t	he front according to	DIEC 60529	finger-sa	fe, for vertical cont	act from the front	
electromagnetic com			-	ance with IEC 609		
Certificates/ approvals						
General Product App	proval					EMC
SA CSA		Confirmatic	<u>nc</u>	(UL) UL	EAC	RCM
Declaration of Confo	ormity	Test Certifica	ates M	arine / Shipping		
UK CA Marine / Shipping	CEG-Konf.	<u>Type Test Ce</u> ates/Test Re		ABS	BUREAU VERITAS	Llovds Register urs
PRS	<u>Confirmation</u>					
Further information						
Information- and Dow https://www.siemens.cc Industry Mall (Online https://mall.industry.sie Cax online generator http://support.automati Service&Support (Ma https://support.industry	om/ic10 ordering system)				214-3TC05	







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