SIEMENS

Data sheet 3RW5514-1HA14



SIRIUS soft starter 200-480 V 18 A, 110-250 V AC Screw terminals

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFINET high-feature usable 	3RW5950-0CH00
 of communication module PROFIBUS usable 	3RW5980-0CP00
 of communication module Modbus TCP usable 	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4DA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4EA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3820-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3820-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1802-0; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE8020-1: Type of coordination 2, Iq = 65 kA

General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
stopping torque [%]	10 100 %
torque limitation [%]	20 200 %
current limiting value [%] adjustable	125 800 %
breakaway voltage [%] adjustable	40 100 %
breakaway time adjustable	0 2 s
number of parameter sets	3
accuracy class according to IEC 61557-12	5 %
certificate of suitability	

CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
buffering time in the event of power failure	10 95 /0
for main current circuit	100 ms
• for control circuit	100 ms
	0 255 s
idle time adjustable	0 233 \$ 480 V
insulation voltage rated value	3, acc. to IEC 60947-4-2
degree of pollution	•
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1.15
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	400 Vi doog not apply for the american account.
between main and auxiliary circuit	480 V; does not apply for thermistor connection
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz
recovery time after overload trip adjustable	60 1 800 s
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
breakaway pulse	Yes
adjustable current limitation	Yes
creep speed in both directions of rotation	Yes
• pump ramp down	Yes
DC braking	Yes
motor heating	Yes
slave pointer function	Yes
• trace function	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.
 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
 communication function 	Yes
 operating measured value display 	Yes
• event list	Yes
 error logbook 	Yes
 via software parameterizable 	Yes
 via software configurable 	Yes
• screw terminal	Yes
 spring-loaded terminal 	No
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High- Feature communication modules
• firmware update	Yes

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control supply voltage at AC • at 50 Hz • at 60 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz		
 at 50 Hz at 60 Hz 110 250 V relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz 10 % 	type of voltage of the control supply voltage	AC
● at 60 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz 110 250 V -15 % 10 %	control supply voltage at AC	
relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz	● at 50 Hz	110 250 V
relative positive tolerance of the control supply voltage at AC at 50 Hz 10 %	● at 60 Hz	110 250 V
voltage at AC at 50 Hz	voltage at AC at 50 Hz	
relative negative tolerance of the control supply -15 %	voltage at AC at 50 Hz	
	relative negative tolerance of the control supply	-15 %

voltage at AC at 60 U-	
voltage at AC at 60 Hz	40.0/
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply	-10 %
voltage frequency	
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	100 mA
holding current in bypass operation rated value	165 mA
locked-rotor current at close of bypass contact maximum	0.2 A
inrush current peak at application of control supply voltage maximum	43 A
duration of inrush current peak at application of control supply voltage	1.6 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	4
parameterizable	4
number of digital outputs	4
number of digital outputs parameterizable	3
number of digital outputs not parameterizable	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
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	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	275 mm
width	170 mm
width depth	
width depth required spacing with side-by-side mounting	170 mm 152 mm
width depth required spacing with side-by-side mounting • forwards	170 mm 152 mm
width depth required spacing with side-by-side mounting • forwards • backwards	170 mm 152 mm 10 mm 0 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
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	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
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 mm² maximum	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
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 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 150 m 150 m 250 m
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts — solid	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 50 m 150 m 250 m
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 50 m 150 m 250 m 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 50 m 150 m 250 m 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum 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	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 50 m 150 m 250 m 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8)
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 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum 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 • for control circuit finely stranded with core end	170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 50 m 150 m 250 m 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.6 12), 2x (14 8) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)

wire length	
 between soft starter and motor maximum 	800 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
 for auxiliary and control contacts with screw-type terminals 	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 terminals 	7 10.3 lbf·in
Ambient conditions	
	5 000 m. Dansting as af 4000 m. as a satular
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	25 ICO °C. Places phase a devoting at termonatures of 40 °C or
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
during storage and transport	-40 +80 °C
environmental category	40 100 C
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt
- dailing operation according to IEO 00721	mist), 3S2 (sand must not get into the devices), 3M6
 during storage according to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A, Class B on request
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
PROFINET high-feature	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
11100000	
PROFIBUS	Yes
PROFIBUS UL/CSA ratings	Yes
UL/CSA ratings	Yes
UL/CSA ratings manufacturer's article number	Yes
ult/csa ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V	Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
UL/CSA ratings manufacturer's article number • of circuit breaker	
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	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
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	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA
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 High Faults at 460/480 V at inside-	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
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 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 — usable for High Faults at 575/600 V at inside-delta circuit according to UL	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: 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
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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 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 High Faults at 575/600 V at inside-delta circuit according to UL — usable for High 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 up to 575/600 V 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	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: 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: 3VA51, max. 35 A; lq max = 65 kA
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 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 — 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 • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Type: Class RK5 / K5, max. 70 A; Iq = 5 kA
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 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 — usable for High 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 • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Type: Class RK5 / K5, max. 70 A; Iq = 5 kA Type: Class J / L, max. 70 A; Iq = 100 kA
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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 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 — 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 • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Type: Class RK5 / K5, max. 70 A; Iq = 5 kA Type: Class RK5 / K5, max. 70 A; Iq = 100 kA Type: Class RK5 / K5, max. 70 A; Iq = 5 kA
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 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 usable for High 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 of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Type: Class RK5 / K5, max. 70 A; Iq = 5 kA Type: Class RK5 / K5, max. 70 A; Iq = 100 kA Type: Class J / L, max. 70 A; Iq = 100 kA Type: Class J / L, max. 70 A; Iq = 100 kA
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 at 220/230 V at inside-delta circuit at 50 °C rated value 	7.5 hp
 at 460/480 V at inside-delta circuit at 50 °C rated value 	20 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	acc. to IEC 60947-4-2
ATEX	
certificate of suitability	
• ATEX	Yes
• IECEx	Yes
 according to ATEX directive 2014/34/EU 	BVS 18 ATEX F 003 X
type of protection according to ATEX directive 2014/34/EU	II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]
hardware fault tolerance according to IEC 61508 relating to ATEX	0
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.008
PFHD with high demand rate according to EN 62061 relating to ATEX	5E-7 1/h
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 s
Certificates/ approvals	

General Product Approval

EMC



Confirmation









For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping





IECEx



Type Test Certificates/Test Report





Marine / Shipping

other







Confirmation

Further information

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=3RW5514-1HA14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5514-1HA14}}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5514-1HA14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RW5514-1HA14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5514-1HA14/char

Characteristic: Installation altitude
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5514-1HA14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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

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