SIEMENS

product brand name

Data sheet 3RW5245-6AC14

SIRIUS



SIRIUS soft starter 200-480 V 315 A, 110-250 V AC Screw terminals Analog output



•	
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
 of standard HMI module usable 	3RW5980-0HS00
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 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 	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1334-2; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3336; 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
buffering time in the event of power failure	

• for control circuit 100 ms 100	for main current circuit	100 ms
Insulation voltage rated value 600 Y		
Impulse votage rated value SkV SkV		
impulse voltage rated value service factor surge voltage restance rated value service factor between main and audilary circuit between main and audilary circuit between main and audilary circuit between main and sudding victual between treatment between main and audilary circuit between treatment between tre		
Service feator	<u> </u>	
Between main and auxiliary circuit **Detween main and auxiliary circuit** **Book resistance** **Unitization category according to IEC 60947-4-2 **Substance Prohibitance (Date)* **Pack-14-demethyliophenyly-2-morpholinopropan-1-one - 71888-10-5 **2		1
shock resistance	surge voltage resistance rated value	6 kV
Sp. / 1 ms, from 12 g / 11 ms with potential contact lifting		
AC 53a	between main and auxiliary circuit	600 V
substance Prohibitance (Date) SVHC substance Prohibitance (Date) SVHC substance name Lead -7439-92-1 Lead montoxide (lead toxide) -1317-98-8 Lead montoxide (lead toxide) -1317-98-9 Lead montoxide (lead toxide) -1317-98-P Lead montoxide (lead	shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
Substance Prohibitance (Date) 02/15/2018 Land - 7433-92-1 Land	utilization category according to IEC 60947-4-2	AC 53a
Least - 7439-92-1	reference code according to IEC 81346-2	Q
Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylithiophenyl)-2-morphiolinopropan-1-one - 71868-10-5 2,7,8,8,14,15,16,17,17,18,18- Dodecachiroperracyclo (12,2,16,5,02,13,05,10)catadeca-7,15-diene any combination thereof	Substance Prohibitance (Date)	02/15/2018
ramp-up (soft starting) e amp-down (soft storp) ves soft Torque adjustable current limitation pump ramp down pump ramp down evaluation of thermistor motor protection evaluation of the control supply voltage evaluation function evaluation function with special accessories evaluation function with special accessories evaluation on only in conjunction with special accessories evaluation function with special accessories evaluation functi	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Dicyclohexyl phthalate (DCHP) - 84-61-7
• ramp-down (soft stop) • Soft Torque • Adjustable current limitation • pump ramp down • Intrinsic device protection • Intrinsic device protection • rootor overload protection • rootor overl	product function	. ,
• Soft Torque • adjustable current limitation • pump ramp down • resiliation of protection • resiliation of the mistor motor protection • resiliation of the mistor motor protection • revaluation of the mistor motor protection • resiliation of the control supply voltage • remote reset • communication function • reset • communication function • reset • communication function • reset • remote reset • removable terminal for control circuit • reset removable terminal for control circuit • removable terminal for control circuit • reset removable terminal for control circuit • removable terminal for control circuit • removable ter	ramp-up (soft starting)	Yes
adjustable current limitation pump ramp down intrinsic device protection evaluation of thermistor motor protection No inside-delta circuit Yes auto-RESET Yes manual RESET Yes emous 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 via software parameterizable via software parameterizable No via software configurable PROFlenergy Firmware update PROFlenergy Firmware update PROFlenergy Se; in connection with the PROFINET Standard communication module removable terminal for control circuit Yes enancy output Ves; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) Power Electronics Operational current at 40 °C rated value 279 A 315 A 315 A 315 A 315 A 316 O'C rated value 315 A 316 O'C rated value 440 °C rated value 440 °C rated value 440 °C rated value 441 O'C rated value 442 A Operating voltage 142 O 0 480 V 143 A 145 O'C rated value 442 A Operating voltage 145 W	• ramp-down (soft stop)	Yes
pump ramp down intrinsic device protection rotor overload protection rotor overload protection evaluation of thermistor motor protection No inside-delta circuit ves auto-RESET ves auto-RESET remote reset remote reset communication function rotor operating measured value display res; Only in conjunction with special accessories ves; Only in conjunction with special accessories ves; Only in conjunction with special accessories via software parameterizable via software parameterizable via software configurable removable terminal for control circuit ves ves removable terminal for control circuit ves removable terminal for control circuit ves removable terminal for control circuit ves ves removable terminal for control circuit ves ves removable terminal for control circuit ves	Soft Torque	Yes
intrinsic device protection motor overload protection vest electronic motor overload protection evaluation of thermistor motor protection No inside-delta circuit euto-RESET yes manual RESET yes manual RESET ves remote reset ecommunication function operating measured value display error logbook error logbook via software parameterizable via software parameterizable via software parameterizable removable terminal for control circuit removable terminal for control circuit ves removable terminal for control circuit ves; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) **Operational current* **at 40 °C rated value **at 50 °C rated value **at 60 °C rated value	adjustable current limitation	Yes
motor overload protection evaluation of thermistor motor protection inside-delta circuit auto-RESET yes manual RESET yes remote reset yes; By turning off the control supply voltage communication function yes; Only in conjunction with special accessories veror logbook via software parameterizable via software configurable via software configurable via software configurable vermovable terminal for control circuit ves; In connection with the PROFINET Standard communication module removable terminal for control circuit ves; In connection with the PROFINET Standard communication module removable terminal for control circuit ves; In connection with the PROFINET Standard communication module ves removable terminal for control circuit ves removable terminal for control circuit ves; In connection with the PROFINET Standard communication module ves with the profined communication with the profined communication module ves with the profined communication with the p	pump ramp down	Yes
evaluation of thermistor motor protection inside-delta circuit auto-RESET emanual RESET remote reset Yes remote reset communication function operating measured value display error logbook error logbook via software parameterizable via software configurable removable terminal for control circuit removable terminal for control circuit ves removable terminal for control circuit ves removable terminal for control circuit ves read to "C rated value at 60 "C	 intrinsic device protection 	Yes
inside-delta circuit auto-RESET auto-RESET yes manual RESET remote reset communication function yes communication function yes operating measured value display errol logbook via software parameterizable via software configurable PROFlenergy FROFlenergy firmware update removable terminal for control circuit olorque control analog output Pes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) Power Eloctronics operational current at 60 °C rated value at 60 °C ra	 motor overload protection 	Yes; Electronic motor overload protection
 auto-RESET manual RESET remote reset communication function operating measured value display error logbook via software parameterizable via software parameterizable PROFlenergy firmware update removable terminal for control circuit analog output ves; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) analog output operational current at 40 °C rated value at 60 °C rat	 evaluation of thermistor motor protection 	No
• manual RESET • remote reset • communication function • communication function • operating measured value display • error logbook • via software parameterizable • via software configurable • via software configurable • removable terminal for control circuit • at 40 °C rated value • at 60 °C rated	inside-delta circuit	Yes
remote reset		
communication function operating measured value display operating measured value operating a value operating voltage or rated value operating voltage operating voltage operating voltage or lative tolerance of the operating voltage operation voltage operating voltage operation voltage operating voltage operational current operation voltage voltage operational current operation voltage voltage operational current operat		1-1-
operating measured value display error logbook error logbook via software parameterizable via software configurable PROFlenergy Fromware update removable terminal for control circuit via analog output ves; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) Power Electronics Operational current at 40 °C rated value at 60		
error logbook via software parameterizable via software configurable via software configurable ves PROFlenergy Yes; in connection with the PROFINET Standard communication module firmware update removable terminal for control circuit ves torque control analog output Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value 255 A operational current at inside-delta circuit at 40 °C rated value 483 A at 60 °C rated value 483 A at 60 °C rated value operating voltage rated value at 60 °C rated value 442 A operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage		
via software parameterizable via software configurable via software configurable PROFlenergy Fremovable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 60 °C rated v		
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60	S .	
PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 60 °C rated value at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 1 inside-delta circuit rated value at 2 inside rate value at 2 inside rate value at 3 inside rate value at 4 inside rate value at 3 inside rate value at 4 inside rate value at 4 inside rate value at 5 inside rate value at 4		
• firmware update • removable terminal for control circuit • torque control • analog output Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at inside-delta circuit rated value	ů .	
• removable terminal for control circuit • torque control • analog output Power Electronics operational current • at 40 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 60 °C rated value		
• torque control • analog output Power Electronics operational current • at 40 °C rated value • at 60 °C rated value • at 40 °C rated value • at 60 °C rated value • at 100 °C rated value •	•	
operational current		
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value • rated value • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at -15 %	•	
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operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • rated value • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at relative negative tolerance of the operating voltage at -15 %	• at 50 °C rated value	279 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operating voltage rated value at inside-delta circuit rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at -15 % 	• at 60 °C rated value	255 A
 at 50 °C rated value at 60 °C rated value operating voltage rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at -15 % 	operational current at inside-delta circuit	
● at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at -15 %	• at 40 °C rated value	
operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at -15 %		
		442 A
● at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at -15 %		
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at -15 % relative negative tolerance of the operating voltage at		
relative positive tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at -15 %		
relative negative tolerance of the operating voltage at -15 %		
		-13 /0

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 	90 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	160 kW
• at 400 V at 40 °C rated value	160 kW
• at 400 V at inside-delta circuit at 40 °C rated value	315 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 	135 A
 at rotary coding switch on switch position 2 	147 A
 at rotary coding switch on switch position 3 	159 A
 at rotary coding switch on switch position 4 	171 A
 at rotary coding switch on switch position 5 	183 A
 at rotary coding switch on switch position 6 	195 A
 at rotary coding switch on switch position 7 	207 A
 at rotary coding switch on switch position 8 	219 A
 at rotary coding switch on switch position 9 	231 A
 at rotary coding switch on switch position 10 	243 A
 at rotary coding switch on switch position 11 	255 A
 at rotary coding switch on switch position 12 	267 A
 at rotary coding switch on switch position 13 	279 A
 at rotary coding switch on switch position 14 	291 A
 at rotary coding switch on switch position 15 	303 A
 at rotary coding switch on switch position 16 	315 A
• minimum	135 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	234 A
 for inside-delta circuit at rotary coding switch on switch position 2 	255 A
 for inside-delta circuit at rotary coding switch on switch position 3 	275 A
 for inside-delta circuit at rotary coding switch on switch position 4 	296 A
 for inside-delta circuit at rotary coding switch on switch position 5 	317 A
 for inside-delta circuit at rotary coding switch on switch position 6 	338 A
 for inside-delta circuit at rotary coding switch on switch position 7 	359 A
for inside-delta circuit at rotary coding switch on switch position 8 for inside delta circuit at rotary coding switch on switch and switch on switch and switch on switch are switched.	379 A
 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch 	400 A 421 A
for inside-delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch	442 A
position 11 • for inside-delta circuit at rotary coding switch on switch	442 A 462 A
position 12 • for inside-delta circuit at rotary coding switch on switch	483 A
position 13 • for inside-delta circuit at rotary coding switch on switch	504 A
position 14 • for inside-delta circuit at rotary coding switch on switch	525 A
position 15 • for inside-delta circuit at rotary coding switch on switch	546 A
position 16	
at inside-delta circuit minimum	234 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	

breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs o at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions		
power lose [W] at AC at current limitation 350 % • at 40 °C during startup • at 60 °C during startup 2 yee of voltage of the control supply voltage 2 ontrol supply voltage at AC • at 60 °tz	• at 50 °C after startup	96 W
a d of C during startup between the control supply voltage control supply voltage at AC at 50 Hz between the control supply voltage at AC at 50 Hz at 50 Hz between the control supply voltage at AC at 50 Hz at 50 Hz between the control supply voltage at AC at 50 Hz at 50 Hz between the control supply voltage at AC at 50 Hz at 50 Hz between the control supply voltage at AC at 50 Hz at 50	at 60 °C after startup	89 W
a 16 0° C during startup bypo of voltage of the control supply voltage control screen by ovoltage at AC a 150 Hz a 160 Hz	power loss [W] at AC at current limitation 350 %	
at 60 °C during startup Type of voltage of the control supply voltage at AC at 60 °Hz	 at 40 °C during startup 	5 350 W
Control supply voltage at AC	at 50 °C during startup	4 471 W
type of voltage of the control supply voltage 4 AC - at 60 Hz -	 at 60 °C during startup 	3 934 W
control supply voltage at AC • at 60 Hz • at 60 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 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 control supply voltage frequency relative positive tolerance of the control supply voltage at AC at 50 Hz control supply voltage frequency 10 % 50 60 Hz control supply voltage frequency 10 % 10 % 60 Hz control supply voltage frequency 10 % 10 % 60 Hz control supply voltage frequency 10 % 10 % 60 Hz control supply voltage frequency 10 ms 12 A give servers 12 A ms 12 A ms 12 A ms 12 A ms 13 ms 14 A gic servers (ms 300 Å), 60 ministrue circuit breaker (ms 300 Å), 8 ns nt part of scope of supply 10 mumber of digital outputs 10 mumber of digital outputs 11 mumber of digital outputs 12 normal position 13 A gic servers (ms 300 Å), 60 ministrue circuit breaker (ms 300 Å), 8 ns nt part of scope of supply 13 A gic servers (ms 300 Å), 10 ministrue circuit breaker (ms	Control circuit/ Control	
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e at 60 Hz relative negative tolerance of the control supply voltage at 2 at 90 ftz relative positive tolerance of the control supply voltage at 2 at 90 ftz relative negative tolerance of the control supply voltage at 2 at 90 ftz relative negative tolerance of the control supply voltage at 2 at 90 ftz relative positive tolerance of the control supply voltage at 2 at 90 ftz control supply voltage frequency relative positive tolerance of the control supply voltage frequency 10 % 2 most of 90 ftz relative positive tolerance of the control supply voltage frequency 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 %	control supply voltage at AC	
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AC at 50 Hz Telative positive tolerance of the control supply voltage at AC at 50 Hz Telative negative tolerance of the control supply voltage at AC at 50 Hz Telative negative tolerance of the control supply voltage at AC at 60 Hz Telative negative tolerance of the control supply voltage at AC at 60 Hz Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative negative tolerance of the control supply voltage frequency Telative neg	● at 60 Hz	110 250 V
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AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage movernment in bypass operation rated value linrush current by closing the bypass contacts maximum linrush current pack at application of control supply voltage design of inrush current peak at application of control supply voltage design of short-circuit protection for control circuit ### A g G kipse (fcu=1 kA), 6 A quick-acting fuse (fcu=1 kA), C1 ministure circuit breaker (fcu=60 A), 66 ministure circuit breaker (fcu=300 A); Is not part of scope of supply ### Inputs/ Outputs ### Puts of digital inputs ### Inputs/ Outputs ### Inputs/ Outputs ### Inputs/ Output version #### Inputs/ Output version ##### Inputs/ Output version ##### Inputs/ Output version ####### Inputs/ Outputs ###################################		10 %
AC at 6 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency ontrol supply current in standby mode rated value sholding current in bypass operation rated value inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of short-circuit protection for control circuit design of short-circuit protection for control circuit inputs/ Outputs number of digital inputs number of digital inputs number of digital outputs number of analog outputs et AC-15 at 250 V rated value at CC-15 at 25 V rated value a		-15 %
relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency and the control supply current in standby mode rated value holding current in bypass operation rated value linrush current peak at application of control supply voltage maximum duration of linush current peak at application of control supply voltage maximum design of the overvoltage protection design of the overvoltage protection design of short-circuit protection for control circuit ### A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=800 A), C6 miniature circuit breaker (Icu=900 A), Is not part of scope of supply ### Installation upply the supply control of the relay outputs ### A C-15 at 250 V rated value ### A C-15 at 250 V rated value ### A C-15 at 24 V rated value ### A C-15 at 24 V rated value ### A C-15 at 24 V rated value ### Installation mounting dimensions ### width ### depth ### 203 mm ### required spacing with side-by-side mounting ### on mm ### on mm ### on mm ### on mm ### depth ### 203 mm ### converse ### on mm ### depth ### 203 mm ### converse ### on mm ### depth ### depth ### 203 mm ### converse ### on mm ### depth ##		10 %
relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency ontrol supply current in standby mode rated value so mA holding current in bypass operation rated value inrush current peak at application of control supply voltage maximum duration of linush current peak at application of control supply voltage maximum duration of linush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit assign of short-circuit protection for control circuit animater of digital inputs number of digital inputs number of digital inputs number of digital outputs number of analog outputs number of analog outputs at AC-15 at 250 V rated value at AC-15 at 250 V rated value at AC-15 at 250 V rated value at AC-15 at 24 V rated value the state of the control dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface -/- 22.5° tillable to the front and back fastening method screw floing eloph of main for wards - Low maximum of ma	control supply voltage frequency	50 60 Hz
relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value abiding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of insush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit breaker (icu= 600 A), C6 miniature circuit breaker (icu= 300 A), is not part of scope of supply number of digital inputs number of digital inputs number of digital outputs onto parameterizable 1 at AC-15 at 250 V rated value at AC-15 at 250 V rated value at AC-15 at 250 V rated value at AC-15 at 24 V rated value at AC-15 at 250 V r		-10 %
requency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit a Nag G fuse (lcu=1 kA), 6 A quick-acting fuse (lcu=1 kA), 1 ministure circuit breaker (lcu=600 A), 6 ministure circuit breaker (lcu=300 A), is not part of soppore of supply Inputs/ Outputs number of digital inputs number of digital outputs o not parameterizable digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs ot AC-15 at 250 V rated value 1 A at DC-13 at 24 V rated value 1 A latallation/ mounting/ dimensions mounting position state-ing method height open digital output dimensions mounting position for main supplies the forwards backwards backwards backwards chownwards forwards downwards otherwise the supplies of the foliation of the f	frequency	
holding current in bypass operation rated value inrush current by closing the bypass contacts maximum innush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit design of short-circuit protection for control circuit inputs/ Outputs number of digital inputs number of digital inputs number of digital outputs number of analog outputs 1 can parameterizable 2 digital output version number of analog outputs 1 at AC-15 at 250 V rated value 1 at DC-13 at 24 V rated value 1 at DC-13 at 250 V rated value 1 at DC-15		10 %
Inrush current by closing the bypass contacts maximum 2.2 A Inrush current peak at application of control supply voltage maximum 12.2 A Instantiation of inrush current peak at application of control supply voltage 2.2 ms Varistor Varisto	control supply current in standby mode rated value	30 mA
inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit ### A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A), is not part of scope of supply Inputs/ Outputs	holding current in bypass operation rated value	100 mA
maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit design of short-circuit protection for control circuit number of digital inputs number of digital inputs number of digital outputs number of analog outputs 1 number of analog outputs digital output version number of analog outputs 1 at C-15 at 250 V rated value at DC-13 at 24 V rated value 1 A Installation mounting dimensions mounting position with vertical mounting surface +/-90" rotatable, with vertical mounting surface 4/- 22.5" tiltable to the front and back fastening method screw fixing a) 393 mm width 210 mm depth required spacing with side-by-side mounting • forwards • at the side • at the side • at the side • at the side • for control circuit busbar connection • for main current circuit • for control circuit 2.2 ms Varistor Varis	inrush current by closing the bypass contacts maximum	2.2 A
design of the overvoltage protection design of short-circuit protection for control circuit 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=300 A); Is not part of scope of supply Inputs/ Outputs number of digital inputs 1 number of digital outputs 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 1 switching capacity current of the relay outputs 2 at AC-15 at 250 V rated value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90* rotatable, with vertical mounting surface 4/- 22.5* tiltable to the front and back fastening method screw fixing height 203 mm required spacing with side-by-side mounting 6 forwards 100 mm 6 downwards 100 mm 9 upwards 100 mm 9 upwards 100 mm 9 otowards 100 mm 100		12.2 A
design of short-circuit protection for control circuit 4 A g G fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=300 A); Is not part of scope of supply Inputs/ Outputs number of digital inputs 1 number of digital outputs 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 3 a 4 at C-15 at 250 V rated value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tillable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting • forwards • upwards • downwards • downwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit busbar connection screw-type terminals		2.2 ms
Inputs/ Outputs number of digital inputs 1 number of digital outputs 3 ont parameterizable 2 digital output version 2 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 1 A Installation/ mounting/ dimensions mounting position 4/- 22.5° tilitable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting • forwards 0 nm • downwards 100 mm • downwards 5 mm • downwards 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection • for main current circuit bushar connection • for control circuit server-live in screw-type terminals	design of the overvoltage protection	Varistor
Inputs/ Outputs number of digital inputs number of digital outputs ont parameterizable digital output version number of analog outputs otal AC-15 at 250 V rated value otal DC-13 at 24 V rated value installation/ mounting/ dimensions mounting position fastening method height width 210 mm depth required spacing with side-by-side mounting obackwards obackwards obackwards otal material side otal mat	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
number of digital outputs • not parameterizable 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position **with vertical mounting surface +/-90° rotatable, with vertical mounting surface **+/- 22.5° tiltable to the front and back fastening method \$ screw fixing \$ height \$ 393 mm width \$ 210 mm \$ depth \$ 203 mm required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • downwards • at the side **other incompleted **edit with vertical mounting surface +/-90° rotatable, with vertical mounting surface **t/- 22.5° tiltable to the front and back **screw fixing **height **393 mm **width **depth **203 mm required spacing with side-by-side mounting • forwards • backwards • 0 mm • backwards • 0 mm • yewards • 100 mm • downwards • 5 mm **weight without packaging **Connections/ Terminals **type of electrical connection • for main current circuit • for control circuit • for control circuit **busbar connection • for main current circuit • for control circuit **screw-type terminals	Inputs/ Outputs	
number of digital outputs • not parameterizable 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 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 with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting • fornwards • backwards 0 mm • downwards • downwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit • for control circuit • for control circuit screw-type terminals	number of digital inputs	1
digital output version number of analog outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing height 393 mm width depth 203 mm required spacing with side-by-side mounting • forwards • upwards • downwards • at the side weight without packaging connections/ Terminals type of electrical connection • for control circuit • screw-type terminals		3
number of analog outputs switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting forwards upwards upwards downwards at the side at the side formain current circuit for main current circuit for control circuit screw-type terminals	not parameterizable	2
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting • forwards • backwards • upwards • upwards • at the side • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit busbar connection • for control circuit screw-type terminals	digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
at AC-15 at 250 V rated value at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting forwards backwards backwards backwards bunwards tupwards the side formands at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit busbar connection for control circuit screw-type terminals	number of analog outputs	1
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting	switching capacity current of the relay outputs	
Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting of rowards outpards outpard	• at AC-15 at 250 V rated value	3 A
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side veight without packaging connections/ Terminals type of electrical connection • for control circuit screw-type terminals	• at DC-13 at 24 V rated value	1 A
#/- 22.5° tiltable to the front and back fastening method screw fixing height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit • for control circuit screw-type terminals	Installation/ mounting/ dimensions	
height 393 mm width 210 mm depth 203 mm required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit screw-type terminals	mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
width 210 mm depth 203 mm required spacing with side-by-side mounting 10 mm • forwards 0 mm • backwards 0 mm • upwards 100 mm • downwards 75 mm • at the side 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection 6 or main current circuit • for control circuit busbar connection • for control circuit screw-type terminals	fastening method	screw fixing
depth 203 mm required spacing with side-by-side mounting 10 mm • forwards 10 mm • backwards 0 mm • upwards 100 mm • downwards 75 mm • at the side 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection • for main current circuit busbar connection • for control circuit screw-type terminals	height	393 mm
required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit • for control circuit screw-type terminals	width	210 mm
 forwards backwards upwards downwards at the side 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit screw-type terminals 	depth	203 mm
 backwards upwards downwards at the side 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit screw-type terminals 	required spacing with side-by-side mounting	
 upwards downwards at the side 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit screw-type terminals 	forwards	10 mm
downwards at the side 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit screw-type terminals	backwards	0 mm
● at the side 5 mm weight without packaging 9.9 kg Connections/ Terminals type of electrical connection ● for main current circuit busbar connection ● for control circuit screw-type terminals	• upwards	100 mm
weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit screw-type terminals	downwards	75 mm
Connections/ Terminals type of electrical connection • for main current circuit busbar connection • for control circuit screw-type terminals	at the side	5 mm
type of electrical connection • for main current circuit busbar connection • for control circuit screw-type terminals	weight without packaging	9.9 kg
 for main current circuit for control circuit busbar connection screw-type terminals 	Connections/ Terminals	
• for control circuit screw-type terminals	type of electrical connection	
7,1	for main current circuit	busbar connection
width of connection bar maximum 45 mm	• for control circuit	screw-type terminals
	width of connection bar maximum	45 mm
type of connectable conductor cross-sections		

 for DIN cable lug for main contacts stranded 	2x (50 240 mm²)
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)
type of connectable conductor cross-sections	
 for control circuit solid 	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
 for control circuit finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	
 between soft starter and motor maximum 	800 m
 at the digital inputs at AC maximum 	100 m
tightening torque	
 for main contacts with screw-type terminals 	14 24 N·m
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m
terminals	
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	124 210 lbf·in
 for auxiliary and control contacts with screw-type 	7 10.3 lbf·in
terminals	
Ambient conditions	F 000 m. Denoting on of 1000 m. and anti-lar
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	05 + 100 °C - Diagraph - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
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 	3K6 (no ice formation, only occasional condensation), 3C3 (no salt 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)
Environmental footprint	
Siemens Eco Profile (SEP)	Siemens EcoTech
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
communication module is supported • PROFINET standard	Yes
7.7	Yes Yes
PROFINET standard	
PROFINET standardEtherNet/IPModbus RTU	Yes
PROFINET standardEtherNet/IP	Yes Yes Yes
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 	Yes Yes
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings	Yes Yes Yes
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes Yes
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults	Yes Yes Yes Yes Yes
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL	Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA
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 — at 460/480 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — 60/480 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — 60/480 V at inside-delta circuit according to UL — at 575/600 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — 60/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL of the fuse — usable for Standard Faults up to 575/600 V	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Type: Class J / L, max. 1000 A; Iq = 18 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL 60/480 V according to UL at 460/480 V at inside-delta circuit according to UL 60/480 V at inside-delta circuit according to UL at 575/600 V according to UL at 575/600 V at inside-delta circuit according to UL at 575/600 V at inside-delta circuit according to UL at 575/600 V at inside-delta circuit according to UL sof 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Type: Class J / L, max. 1000 A; lq = 18 kA Type: Class J / L, max. 1000 A; lq = 100 kA
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL 60/480 V according to UL at 460/480 V at inside-delta circuit according to UL 60/480 V at inside-delta circuit according to UL at 575/600 V according to UL at 575/600 V according to UL at 575/600 V at inside-delta circuit according to UL at 575/600 V at inside-delta circuit according to UL at 575/600 V at inside-delta circuit according to UL usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Type: Class J / L, max. 1000 A; Iq = 18 kA Type: Class J / L, max. 1000 A; Iq = 100 kA Type: Class J / L, max. 1000 A; Iq = 18 kA
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contact rating of auxiliary contacts according to UL	R300-B300
Electrical Safety	
protection class IP on the front according to IEC 60529	IP00; IP20 with cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover
Approvals Certificates	

General Product Approval



Confirmation









General Product Approval

EMV

Test Certificates

Marine / Shipping





<u>KC</u>

Type Test Certificates/Test Report





Marine / Shipping

other

Environment





Confirmation

Siemens EcoTech



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5245-6AC14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5245-6AC14}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5245-6AC14

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5245-6AC14\&lang=en}$

Characteristic: Tripping characteristics, I²t, Let-through current

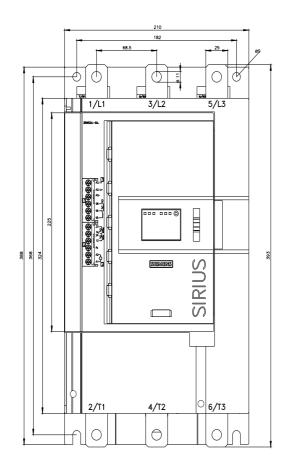
https://support.industry.siemens.com/cs/ww/en/ps/3RW5245-6AC14/char

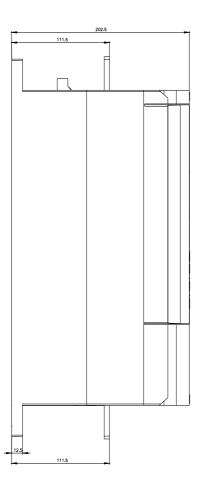
Characteristic: Installation altitude

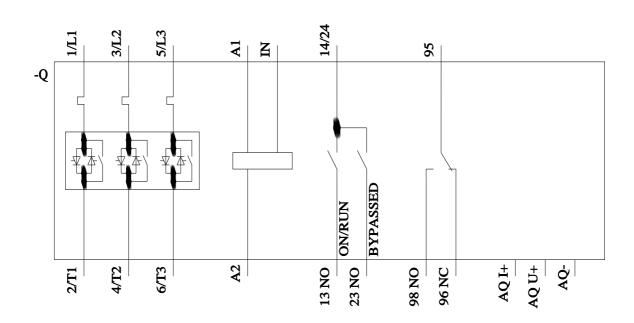
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5245-6AC14\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

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







last modified: 4/19/2024 🖸

