SIEMENS

Data sheet

3RW5243-2AC04



SIRIUS soft starter 200-480 V 210 A, 24 V AC/DC spring-type terminals Analog output

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 	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
 of circuit breaker usable at 500 V 	<u>3VA2325-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10			
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3VA2440-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10			
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3VA2440-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10			
 of the gG fuse usable up to 690 V 	2x3NA3354-6; Type of coordination 1, Iq = 65 kA			
 of the gG fuse usable at inside-delta circuit up to 500 V 	2x3NA3354-6; Type of coordination 1, Iq = 65 kA			
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1230-2;</u> Type of coordination 2, Iq = 65 kA			
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3333;</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				

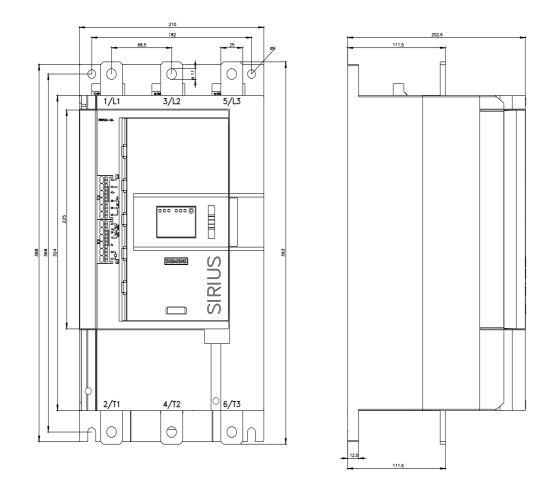
for main current circuit	100 ms			
for control circuit	100 ms			
insulation voltage rated value	600 V			
degree of pollution	600 V 3, acc. to IEC 60947-4-2			
impulse voltage rated value	3, acc. to tec 60947-4-2 6 kV			
blocking voltage of the thyristor maximum	6 KV 1 600 V			
service factor	1 600 V 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; Electronic motor overload protection			
 evaluation of thermistor motor protection 	No			
 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	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature			
0 T	HMI)			
Power Electronics				
operational current				
• at 40 °C rated value	210 A			
• at 50 °C rated value	186 A			
• at 60 °C rated value	170 A			
operational current at inside-delta circuit				
• at 40 °C rated value	364 A			
• at 50 °C rated value	322 A			
• at 60 °C rated value	294 A			
operating voltage				
rated value	200 480 V			
 at inside-delta circuit rated value 	200 480 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	55 kW			
 at 230 V at inside-delta circuit at 40 °C rated value 	55 KW 110 kW			
 at 400 V at 40 °C rated value 	110 kW			
	200 kW			
 at 400 V at 400 C rated value at 400 V at inside-delta circuit at 40 °C rated value 				

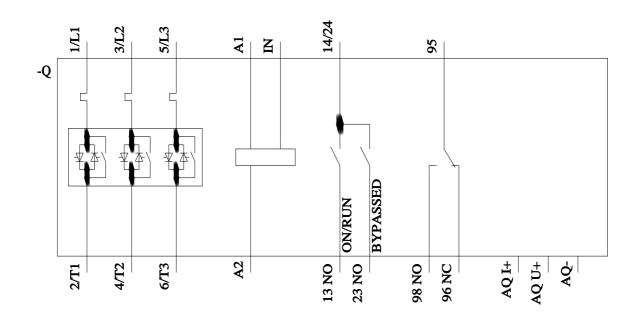
Operating frequency 2 rated value	60 Hz			
Operating frequency 2 rated value relative negative tolerance of the operating frequency				
relative positive tolerance of the operating frequency	-10 % 10 %			
adjustable motor current				
 at rotary coding switch on switch position 1 	90 A			
 at rotary coding switch on switch position 2 	98 A			
 at rotary coding switch on switch position 3 	106 A			
at rotary coding switch on switch position 4	114 A			
at rotary coding switch on switch position 5	122 A			
at rotary coding switch on switch position 6	130 A			
 at rotary coding switch on switch position 7 	138 A			
 at rotary coding switch on switch position 8 	146 A			
 at rotary coding switch on switch position 9 	154 A			
 at rotary coding switch on switch position 10 	162 A			
 at rotary coding switch on switch position 11 	170 A			
 at rotary coding switch on switch position 12 	178 A			
 at rotary coding switch on switch position 13 	186 A			
 at rotary coding switch on switch position 14 	194 A			
 at rotary coding switch on switch position 15 	202 A			
 at rotary coding switch on switch position 16 	210 A			
• minimum	90 A			
adjustable motor current				
 for inside-delta circuit at rotary coding switch on switch position 1 	156 A			
 for inside-delta circuit at rotary coding switch on switch position 2 	170 A			
 for inside-delta circuit at rotary coding switch on switch position 3 	184 A			
 for inside-delta circuit at rotary coding switch on switch position 4 	197 A			
 for inside-delta circuit at rotary coding switch on switch position 5 	211 A			
 for inside-delta circuit at rotary coding switch on switch position 6 	225 A			
 for inside-delta circuit at rotary coding switch on switch position 7 	239 A			
 for inside-delta circuit at rotary coding switch on switch position 8 	253 A			
 for inside-delta circuit at rotary coding switch on switch position 9 	267 A			
 for inside-delta circuit at rotary coding switch on switch position 10 	281 A			
 for inside-delta circuit at rotary coding switch on switch position 11 	294 A			
 for inside-delta circuit at rotary coding switch on switch position 12 	308 A			
 for inside-delta circuit at rotary coding switch on switch position 13 	322 A			
• for inside-delta circuit at rotary coding switch on switch position 14	336 A			
 for inside-delta circuit at rotary coding switch on switch position 15 for inside delta circuit at rotary coding switch on 	350 A			
 for inside-delta circuit at rotary coding switch on switch position 16 	364 A			
at inside-delta circuit minimum	156 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	75 W 68 W			
 at 50 °C after startup at 60 °C after startup 	63 W			
• at 60 °C after startup power loss [W] at AC at current limitation 350 %				
• at 40 °C during startup	3 562 W			
• at 50 °C during startup	2 979 W			
• at 60 °C during startup	2 617 W			
Control circuit/ Control				
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC				
source oupping to have at he				

a at EO Liz rated value			
 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	20 %		
voltage at AC at 60 Hz	50 0011-		
control supply voltage frequency	50 60 Hz		
relative negative tolerance of the control supply voltage frequency	-10 %		
relative positive tolerance of the control supply	10 %		
voltage frequency			
 control supply voltage at DC rated value 	24.14		
relative negative tolerance of the control supply	24 ∨ -20 %		
voltage at DC	-20 /0		
relative positive tolerance of the control supply	20 %		
voltage at DC			
control supply current in standby mode rated value	160 mA		
holding current in bypass operation rated value	470 mA		
inrush current peak at application of control supply voltage	3.3 A		
maximum 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	1		
namou or analog outputs			
switching capacity current of the relay outputs			
• at AC-15 at 250 V rated value	3 A		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value 			
• at AC-15 at 250 V rated value	3 A		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 100 mm		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 75 mm		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 5 mm		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards at the side weight without packaging 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 75 mm		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/mounting/dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 5 mm		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/mounting/dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/mounting/dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • at the side weight without packaging Connections/Terminals type of electrical connection • for main current circuit • for control circuit • for control circuit	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/mounting/dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/mounting/dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit • for connection bar maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 2x (50 240 mm ²)		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side veight without packaging Connections/ Terminals type of electrical connection for control circuit width of connection bar maximum type of connectable conductor cross-sections for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 2x (50 240 mm ²) 2x (70 240 mm ²)		
 switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts stranded type of connectable conductor cross-sections for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for DIN cable lug for main contacts finely stranded 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 2x (50 240 mm ²) 2x (0.25 1.5 mm ²)		
switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/mounting/dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections 	3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 nm 210 nm 203 nm 10 nm 0 mm 10 nm 10 nm 5 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 2x (50 240 mm ²) 2x (70 240 mm ²)		

at AWG cables for control circuit solid	2x (24 16)		
 at AWG cables for control circuit finely stranded with core end processing 	2x (24 16)		
wire length			
 between soft starter and motor maximum 	800 m		
 at the digital inputs at AC maximum 	100 m		
at the digital inputs at DC maximum	1 000 m		
 tightening torque for main contacts with screw-type terminals 	14 - 24 N m		
 for auxiliary and control contacts with screw-type 	14 24 N·m 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 terminals 	7 10.3 lbf·in		
Ambient conditions			
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog		
ambient temperature			
 during operation 	-25 +60 °C; Please observe derating at temperatures of 40 °C or		
 during storage and transport 	above -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)		
EMC emitted interference	acc. to IEC 60947-4-2: Class A		
Communication/ Protocol			
communication module is supported			
PROFINET standard	Yes		
EtherNet/IP	Yes		
 Modbus RTU Modbus TCP 	Yes		
PROFIBUS	Yes		
UL/CSA ratings			
manufacturer's article number			
 of circuit breaker 			
 — usable for Standard Faults at 460/480 V according to UL 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
 usable for High Faults at 460/480 V according to UL 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA		
 — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
— usable for High Faults at 460/480 V at inside- delta circuit according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA		
— usable for Standard Faults at 575/600 V according to UL	KA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA		
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
of the fuse			
 — usable for Standard Faults up to 575/600 V according to UL 	Type: Class J / L, max. 700 A; Iq = 10 kA		
	Type: Class J / L, max. 700 A; lq = 10 kA Type: Class J / L, max. 700 A; lq = 100 kA		
according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta			
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	Type: Class J / L, max. 700 A; Iq = 100 kA		
 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 	Type: Class J / L, max. 700 A; lq = 100 kA Type: Class J / L, max. 700 A; lq = 10 kA		
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	Type: Class J / L, max. 700 A; lq = 100 kA Type: Class J / L, max. 700 A; lq = 10 kA		
 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 operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value 	Type: Class J / L, max. 700 A; lq = 100 kA Type: Class J / L, max. 700 A; lq = 10 kA Type: Class J / L, max. 700 A; lq = 100 kA 60 hp 60 hp		
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 operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 460/480 V at 50 °C rated value	Type: Class J / L, max. 700 A; lq = 100 kA Type: Class J / L, max. 700 A; lq = 10 kA Type: Class J / L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp		
 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 operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value 	Type: Class J / L, max. 700 A; lq = 100 kA Type: Class J / L, max. 700 A; lq = 10 kA Type: Class J / L, max. 700 A; lq = 100 kA 60 hp 60 hp		

• at 460/480 V at inside-delta circuit at 50 °C rated	250 hp				
value contact rating of auxiliary contacts according to UL	R300-B300				
Safety related data					
protection class IP on the front according to IEC 60529	IP00; IP20 with cover				
touch protection on the front according to IEC 60529 electromagnetic compatibility	finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2				
Certificates/ approvals					
General Product Approval EMC					
		EHC	RCM		
Declaration of Conformity Test Certifica	ates Marine / Shipping				
EG-Konf. UK Ates/Test Ce ates/Test Re		B U REAU VERITAS	Lloyd's Register us		
Marine / Shipping other					
Confirmation PRS					
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 Cax online generator http://support.automation.siemens.com/WW/CAXorder/defau Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3RW5243- Image database (product images, 2D dimension drawing http://www.automation.siemens.com/bilddb/cax_de.aspx?mlf Characteristic: Tripping characteristics, I²t, Let-through o https://support.industry.siemens.com/cs/ww/en/ps/3RW5243- Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view= Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/1014945	t?mlfb=3RW5243-2AC04 It.aspx?lang=en&mlfb=3RW52 FAQs,) -2AC04 s, 3D models, device circuit b=3RW5243-2AC04⟨=en current -2AC04/char =Search&mlfb=3RW5243-2AC	diagrams, EPLAN mad			





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