SIEMENS

Data sheet 3RW5243-6AC15



SIRIUS soft starter 200-600 V 210 A, 110-250 V AC Screw 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 	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 	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2440-7MN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2440-7MN32-0AA0; 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 	3NE1230-2; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3333; Type of coordination 2, Iq = 65 kA
General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %

General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %
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 is supported	
HMI-Standard	Yes
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	400
for main current circuit	100 ms
• for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	_ 6 kV
maximum permissible voltage for safe isolation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category acc. to IEC 60947-4-2	AC 53a
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	15.02.2018 00:00:00
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 avaluation of the resistor meter 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 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	200 600 V
at inside-delta circuit rated value	200 600 V
relative negative tolerance of the operating voltage	-15 %
relative negative tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-13 //

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	110 kW
• at 400 V at 40 °C rated value	110 kW
• at 400 V at inside-delta circuit at 40 °C rated value	200 kW
 at 500 V at 40 °C rated value 	132 kW
• at 500 V at inside-delta circuit at 40 °C rated value	250 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 	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 for inside delta circuit at rotary coding switch on	253 A
for inside-delta circuit at rotary coding switch on switch position 9 for inside delta circuit at rotary coding switch on	267 A 281 A
 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on 	294 A
switch position 11 • for inside-delta circuit at rotary coding switch on	308 A
switch position 12 • for inside-delta circuit at rotary coding switch on	322 A
switch position 13 • for inside-delta circuit at rotary coding switch on	336 A
switch position 14 • for inside-delta circuit at rotary coding switch on	350 A
switch position 15	

 for inside-delta circuit at rotary coding switch on 	364 A
switch position 16	
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
 at 50 °C after startup 	68 W
 at 60 °C after startup 	63 W
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
control supply voltage at AC	AO
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
	-15 %
relative negative tolerance of the control supply voltage at AC at 50 Hz	-13 70
relative positive tolerance of the control supply	10 %
voltage at AC at 50 Hz	450/
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
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 voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	100 mA
locked-rotor current at close of bypass contact	2.2 A
maximum	
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 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 inputs for thermistor connection	0
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
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	
• forwards	10 mm

• Laberwards • Opmands • Opmand	- bookwarda	
odownwards	• Dackwards	0 mm
• at the side • designed without packaging • commeditions' Transinists type of electrical connection • for or destrical connection • for control circuit • for control circuit • for control circuit • for for incondation streams and the processing • for DIN cable lug for main contacts finely stranded • for DIN cable lug for main contacts finely stranded • for control circuit inely stranded with core end processing • for control circuit inely stranded with core end processing • for control circuit solid • for awiliary and control contacts with screw-type terminals • for awiliary and control contacts with screw-type terminals • for awiliary and control contacts with screw-type terminals • for awiliary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for for awiliary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control contacts with screw-type terminals • for sunitary and control con	• upwards	100 mm
weight without packaging Connections if cruminals For control circuit For control circuit For control circuit For packed by per of connectable conductor cross-sections For DIN cable lug for main contacts stranded For control circuit solid For solid circuit finely stranded with core end processing For awilliary stranded with sorew-type terminals For awilliary and control contacts with screw-type terminals For awilliary and contro	downwards	75 mm
Use of electrical connection • for control circuit • for for control circuit • for for control circuit • for DIN cable lug for man contacts finely stranded • for DIN cable lug for man contacts finely stranded • for DIN cable lug for man contacts finely stranded • for Control circuit finely stranded with core end processing • at ANMG cables for control circuit solid • for control circuit finely stranded with core end processing • at ANG cables for control circuit solid • for control circuit solid • for control circuit solid • for for man contacts with screw-type terminals • of manicity and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for for main contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxidizing and control contacts with screw-type terminals • for furnition for the control with screw-type terminals • for furnition for the control with screw-type terminals • for main contacts with screw-type terminals • for furnition for main contacts with screw-type terminals • for main contacts with screw-typ	at the side	5 mm
type of electrical connection	weight without packaging	9.9 kg
• for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts inney stranded • for DIN cable lug for main contacts inney stranded • for DIN cable lug for main contacts inney stranded • for control circuit solid • for control circuit s	Connections/ Terminals	
e 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 stranded type of connectable conductor cross-sections • for control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • ANG cables for control circuit solid • at Wise leads of the control circuit solid • at the digital inputs at AC maximum • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for farmatic contacts with screw-type terminals • for farmatic contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for farmatic contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for farmatic contacts with screw-type terminals • for farmatic contacts with screw-type termina	type of electrical connection	
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type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts freely stranded type of connectable conductor cross-sections • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • the tween soft starter and motor maximum • at the digital inputs at AC maximum • the tween soft starter and motor maximum • at the digital inputs at AC maximum • the tween soft starter and motor maximum • at the digital inputs at AC maximum • to remain contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • terminals • for auxiliary and control contacts with screw-type • during operation • during speration • during storage and transport • during storage an	for control circuit	screw-type terminals
• for DIN cable lug for main contacts stranded type of connectable conductor cross-sections • for control circuit solid • at AWC solels for control circuit solid • at AWC soles for sound so	width of connection bar maximum	45 mm
type of connectable conductor cross-sections is for control circuit solid for control circuit so	type of connectable conductor cross-sections	
type of connectable conductor cross-sections	 for DIN cable lug for main contacts stranded 	2x (50 240 mm²)
• for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid * ix (0.5 4.0 mm²), 2x (0.5 1.5 mm²) * tx (20 12), 2x (20 14) * tx (20 12), 2x (20	 for DIN cable lug for main contacts finely stranded 	2x (70 240 mm²)
for control circuit finely stranded with core end processing at AWG cables for control circuit solid at AWG cables for control circuit solid between soft starter and motor maximum at the digital inputs at AC maximum 100 m flightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for main contacts with	type of connectable conductor cross-sections	
e at AWG cables for control circuit solid wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • of re auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • during storage acts to IEC 60721 3K6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M6 • during storage act. to IEC 60721 • during storage act. to I	 for control circuit solid 	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
wire length • between soft starter and motor maximum • at the digital inputs at AC maximum 100 m tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions Installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • profited interference Communication/ Protocol communication/ Protocol communication/ Protocol communication module is supported • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET standard • of circuit breaker - usable for Standard Faults at 460/480 V at according to UL - usable for Standard Faults at 460/480 V at inside- inside-delta circuit according to UL - usable for Jeff Edults at 460/480 V at inside-		1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
between soft starter and motor maximum at the digital inputs at AC maximum tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [IbF in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for auxil	at AWG cables for control circuit solid	1x (20 12), 2x (20 14)
• at the digital inputs at AC maximum tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals * for auxiliary and co	wire length	
tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals 124 210 lbf-in 7 10.3 lbf-in 125 460 °C; Please observe derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or above dabove derating at temperatures of 40 °C or 2	 between soft starter and motor maximum 	800 m
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage and transport • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during transport acc. to IEC 60721 • Curring transport ac	at the digital inputs at AC maximum	100 m
• for auxiliary and control contacts with screw-type terminals itightening torque [Ibf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at helight above sea level maximum ambient temperature • during operation • during storage and transport • during operation acc. to IEC 60721 during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Ses • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for High Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — Selement type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	tightening torque	
tightening torque [ibf-in] • for maxillary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during peration acc. to IEC 60721 • during peration acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication Protocol communication module is supported • PROFINET standard • Ehernkel/P • Modbus RTU • Modbus RTU • Description • of circuit breaker — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — Sement type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	 for main contacts with screw-type terminals 	14 24 N·m
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation affitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus RTU • Despite the devices and transport • Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- • Use Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- • Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- • Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-	, , , , , , , , , , , , , , , , , , , ,	0.8 1.2 N·m
• for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during poperation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • PROFINET standard • Communication module is supported • PROFIBUS • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS Tyes • Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 KA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	tightening torque [lbf·in]	
Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication/Protocol communication/Protocol communication module is supported • PROFINET standard • PROFIBUS PROFIBUS proficial according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA	• • • • • • • • • • • • • • • • • • • •	124 210 lbf·in
installation altitude at height above sea level maximum ambient temperature during operation during storage and transport during operation acc. to IEC 60721 during operation acc. to IEC 60721 during storage acc. to IEC 60721 during storage acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. to IEC 60721 EMC emitted interference communication module is supported PROFINET standard PROFIBUS PROFIBUS Tyes Modbus RTU Modbus RTU Modbus TCP PROFIBUS Tyes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Biolina Acc. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65		7 10.3 lbf-in
ambient temperature • during operation • during storage and transport • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication/ Protocol communication module is supported • PROFINET standard • PROFINET standard • PROFIBUS • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- • Use August Protocol August Protocol Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Lick Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	Ambient conditions	
 during operation during storage and transport 40 +80 °C environmental category during operation acc. 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 acc. to IEC 60721 K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4 during transport acc. to IEC 60721 EMC emitted interference communication/ Protocol communication Protocol e EtherNet/IP Modbus RTU Modbus RTU PROFIBUS Yes PROFIBUS Yes JU/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 	installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
oluring storage and transport environmental category oluring operation acc. to IEC 60721 oluring storage acc. to IEC 60721 oluring storage acc. to IEC 60721 oluring storage acc. to IEC 60721 oluring transport acc. to	ambient temperature	
environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 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-	during operation	
• during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • EMC emitted interference • Communication Protocol communication module is supported • PROFINET standard • PROFINET standard • Modbus RTU • Modbus RTU • PROFIBUS • PROFIBUS • PROFIBUS • PROFIBUS • Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 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 — Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65		
mist), 3S2 (sand must not get into the devices), 3M6 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — Usable for High Faults at 460/480 V at inside-delta circuit according to UL — Usable for High Faults at 460/480 V at inside-delta circuit according to UL — Usable for High Faults at 460/480 V at inside-delta circuit according to UL — Usable for High Faults at 460/480 V at inside-delta circuit according to UL	during storage and transport	-40 +80 °C
not get inside the devices), 1M4 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 PROFINET standard PROFISUS Modbus RTU PROFIBUS Wes PROFIBUS Tes Tes Tes Tes Tes Tes Tes Te		-40 +80 °C
EMC emitted interference acc. to IEC 60947-4-2: Class A Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA	environmental category • during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
Communication / Protocol communication module is supported • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • 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 — 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- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus RTU PROFIBUS PROFIBUS Ves PROFIBUS Ves Ves Ves Ves Ves Ves Ves Ve	environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
PROFINET standard EtherNet/IP Modbus RTU Yes Modbus TCP PROFIBUS PROFIBUS Ves Ves Ves Ves Ves Ves Ves Ve	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
 EtherNet/IP Modbus RTU Modbus TCP Modbus TCP PROFIBUS Yes PROFIBUS Yes UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-sident faults at 460/480 V at i	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
Modbus RTU Modbus TCP PROFIBUS Yes Ves UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for Standard 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-side-side for High Faults at 460/480 V at inside-side for High Faults at 460/480 V at inside-side-side for High Faults at 460/480 V at inside-side-side for High Faults at 460/480 V at inside-side-side for High Faults at 460/480 V at inside-side-side-side for High Faults at 460/480 V at inside-side-side for High Faults at 460/480 V at inside-side for High	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
 Modbus TCP PROFIBUS Yes UL/CSA ratings manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-side side of the provided of the provide	environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
● PROFIBUS Wanufacturer's article number ● of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
 ■ 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 according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — 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 — Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
 ■ 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 according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
 of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA 	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
 — 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 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-side sides at 460/480 V at inside-sides at 460/4	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
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-side-delta circuit according to UL — usable for High Faults at 460/480 V at inside-side-side side side side side side side side	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
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: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes
	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65
	environmental category	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA

usable for Standard Faults at 575/600 V according to UL
 usable for Standard Faults at 575/600 V at inside-delta circuit according to UL
 of the fuse
 usable for Standard Faults up to 575/600 V according to UL
 usable for 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

Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA

Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA

Type: Class J / L, max. 700 A; Iq = 10 kA

Type: Class J / L, max. 700 A; Iq = 100 kA

Type: Class J / L, max. 700 A; Iq = 10 kA

Type: Class J / L, max. 700 A; Iq = 100 kA

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
 at 575/600 V at 50 °C rated value
 at 200/208 V at inside-delta circuit at 50 °C rated

value

■ at 220/230 V at inside-delta circuit at 50 °C rated value

• at 460/480 V at inside-delta circuit at 50 °C rated value

 \bullet at 575/600 V at inside-delta circuit at 50 $^{\circ}\text{C}$ rated value

contact rating of auxiliary contacts according to UL

60 hp

60 hp

150 hp

100 hp

125 hp

250 hp

300 hp

R300-B300

Safety related data

protection class IP on the front acc. to IEC 60529

touch protection on the front acc. to IEC 60529

electromagnetic compatibility

IP00; IP20 with cover
finger-safe, for vertical contact from the front with cover
in accordance with IEC 60947-4-2

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity













Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











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=3RW5243-6AC15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5243-6AC15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5243-6AC15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5243-6AC15&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

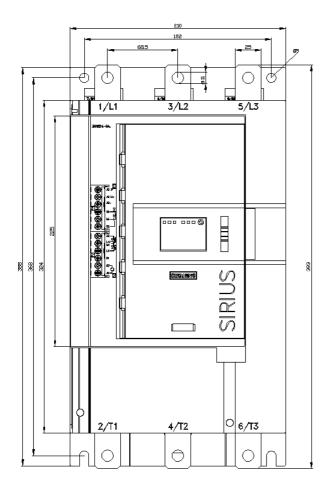
https://support.industry.siemens.com/cs/ww/en/ps/3RW5243-6AC15/char

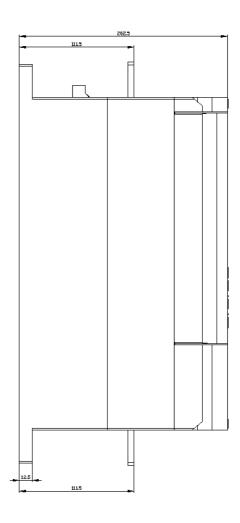
Characteristic: Installation altitude

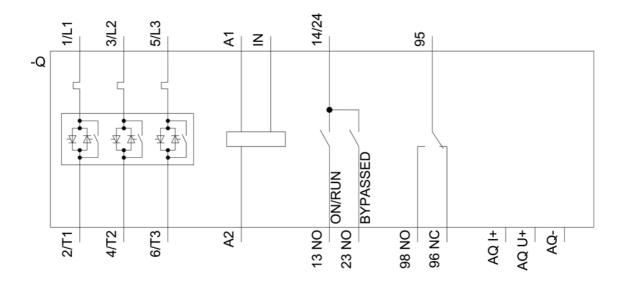
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5243-6AC15&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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