SIEMENS

product brand name

Data sheet 3RW5244-6AC14

SIRIUS



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





product brane name	Circles
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	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2450-7MN32-0AA0; 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 	3NE1331-0; 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, lq = 65 kA
eneral 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 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 protective separation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4
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 via coff voca povementarizable	Yes; Only in conjunction with special accessories
via software parameterizable	No
via software configurable PROFlorerry	Yes
PROFlenergy Sirmware undete	Yes; in connection with the PROFINET Standard communication module
 firmware update removable terminal for control circuit 	Yes Yes
torque control	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
Power Electronics	100, 4 20 mm (doladity / 0 10 v (parameterizable with high realtife film)
operational current	
at 40 °C rated value	250 A
at 50 °C rated value	220 A
at 60 °C rated value	200 A
operational current at inside-delta circuit	
at 40 °C rated value	433 A
at 50 °C rated value	381 A
at 60 °C rated value	346 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	75 kW
• at 230 V at inside-delta circuit at 40 °C rated value	132 kW

• at 400 V at 40 °C rated value	132 kW
• at 400 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 	100 A
 at rotary coding switch on switch position 2 	110 A
 at rotary coding switch on switch position 3 	120 A
 at rotary coding switch on switch position 4 	130 A
 at rotary coding switch on switch position 5 	140 A
 at rotary coding switch on switch position 6 	150 A
 at rotary coding switch on switch position 7 	160 A
 at rotary coding switch on switch position 8 	170 A
 at rotary coding switch on switch position 9 	180 A
 at rotary coding switch on switch position 10 	190 A
 at rotary coding switch on switch position 11 	200 A
 at rotary coding switch on switch position 12 	210 A
 at rotary coding switch on switch position 13 	220 A
 at rotary coding switch on switch position 14 	230 A
 at rotary coding switch on switch position 15 	240 A
 at rotary coding switch on switch position 16 	250 A
• minimum	100 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	173 A
 for inside-delta circuit at rotary coding switch on switch position 2 	191 A
 for inside-delta circuit at rotary coding switch on switch position 3 	208 A
 for inside-delta circuit at rotary coding switch on switch position 4 	225 A
 for inside-delta circuit at rotary coding switch on switch position 5 	242 A
 for inside-delta circuit at rotary coding switch on switch position 6 	260 A
for inside-delta circuit at rotary coding switch on switch position 7	277 A
 for inside-delta circuit at rotary coding switch on switch position 8 	294 A
for inside-delta circuit at rotary coding switch on switch position 9	312 A
for inside-delta circuit at rotary coding switch on switch position 10 for inside delta size if at rotary coding switch on switch position 10	329 A
for inside-delta circuit at rotary coding switch on switch position 11 for inside delta circuit at rotary coding switch on switch on switch and switch on swi	346 A
for inside-delta circuit at rotary coding switch on switch position 12 for inside delta circuit at rotary coding switch on switch and switch on switch and s	364 A
for inside-delta circuit at rotary coding switch on switch position 13 for inside delta circuit at rotary coding switch on switch	381 A
 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch 	398 A 416 A
for inside-delta circuit at rotary coding switch on switch position 15 for inside delta circuit at rotary coding switch on switch	416 A 433 A
 for inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit minimum 	433 A 173 A
at inside-delta circuit minimum minimum load [%]	173 A 15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	10 70, (Volative to Sitiatios) Settable 16
	87 W
 at 40 °C after startup at 50 °C after startup 	78 W
• at 60 °C after startup	78 W
	1 Z VV
power loss [W] at AC at current limitation 350 %	0.040.144
 at 40 °C during startup 	3 818 W

• at 60 °C during startup	2 799 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz	110 250 V
● at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
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
inrush current by closing the bypass contacts maximum	2.2 A
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 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 Installation/ mounting/ dimensions	1A
	with vertical mounting ourface ±/ 00° retatable, with vertical mounting ourface
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
backwards	0 mm
• upwards	400
downwardsat the side	100 mm
♥ at the side	75 mm
weight without packaging	75 mm 5 mm
weight without packaging Connections/ Terminals	75 mm
Connections/ Terminals	75 mm 5 mm
	75 mm 5 mm
Connections/ Terminals type of electrical connection	75 mm 5 mm 9.9 kg busbar connection
Connections/ Terminals type of electrical connection • for main current circuit	75 mm 5 mm 9.9 kg
type of electrical connection • for main current circuit • for control circuit	75 mm 5 mm 9.9 kg busbar connection screw-type terminals
type of electrical connection • for main current circuit • for control circuit width of connection bar maximum	75 mm 5 mm 9.9 kg busbar connection screw-type terminals
type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections	75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm
type of electrical connection	75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm 2x (50 240 mm²)
type of electrical connection • 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 stranded • for DIN cable lug for main contacts finely stranded	75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm 2x (50 240 mm²)

• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference communication Protocol communication Protocol e PROFINET standard • PROFINET standard • PROFINET standard • PROFIBUS Ves • PROFIBUS Ves • PROFIBUS ULCSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL — at 460/480 V according to UL — at 460/480 V according to UL — at 575/600 V according to UL — at 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for Cated value • at 200/280 V at 150/C rated value • at 200/280 V at 150/C rated value • at 200/280 V at inside-delta circuit at 50 °C rated value • at 200/280 V at inside-delta circuit at 50 °C rated value • at 200/280 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200/280 V at inside-delta circuit at 50 °C rated value • at 200/280 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50		
Both ween soft statest and motor maximum of the third gill inputs at AC maximum tightening torque of un rain contacts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of a realizing and control contracts with screen-type forminals of uniting storage and transport of uniting sportation according to IEC 60721 of uniting screen according to IEC 60721 of unitin	for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
** the digital inputs at AC maximum tightering torque ** for maximary 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 ** for auxiliary and control contacts with screw-type terminals ** for auxiliary and control contacts with screw-type terminals ** for auxiliary and control contacts according to UL ** for auxiliary control according to UL ** for fire (SEP) ** Seemens type: 3VASS, max. 400 A or 3VAS4, max. 600 A; lq = 18 kA ** Semens type: 3VASS, max. 400 A or 3VAS4, max. 600 A; lq = 18 kA ** Semens type: 3VASS, max. 400 A or 3VASS, max. 600 A; lq = 18 kA ** Semens type: 3VASS, max. 800 A; lq = 18 kA ** Semens type: 3VASS, max. 800 A; lq = 18 kA ** Semens type: 3VASS, max. 800 A; lq = 18 kA ** Semens type: 3VASS, max. 800 A; lq = 18 kA ** Semens type:	wire length	
### Use of the Communication of Protection ### Use of the Communication of Protection ### Use of the Communication of the Communication of the Communication of Protection ### Use of the Communication of the Communication of the Communication of Protection ### Use of the Communication of the Communication of the Communication of Protection ### Use of Communica	 between soft starter and motor maximum 	800 m
• 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 • for auxiliary and control contacts with screw-type terminals • during sport and terminals • during sport according to IEC 60721 • during storage and condring to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • Environmental Codyrint • for forcul transport • of circuit breaker usable for Standard Faults • elichnetial is aupported • PROFINET standard • PROFINET standard • control inside delta circuit according to UL • and \$75600 V accordi	at the digital inputs at AC maximum	100 m
## of auxiliary and control contacts with screw-type terminals ## of ro annotacts with screw-type ## of ro annotact with screw-type ## of ro annotacts with screw-type #	tightening torque	
Interminate Corque (Birlin) • for main contacts with screw-type forminals Installation attrude at height above sea level maximum **ambient temperature • during operation • during storage and transport • during storage and transport • during storage and transport • during storage according to IEC 60721 • during transport according to IEC 60721 **Environmental Conferit **Semens Eco Profile (SEP) **Silemens EcoTech **Montbus RTU • Modbus TCP • A 60/480 v a condring to IU • - 44 40/480 v a condring to IU • - 44 40/480 v a condring to IU • - 44 60/480 v a miside-delta circuit according to UL • - 44 60/480 v a miside-delta circuit according to UL • - 44 60/480 v a miside-delta circuit according to UL • - 45 675600 v according to IU • -	 for main contacts with screw-type terminals 	14 24 N·m
### Type: Class A Control Foreign (SPP) ### Signers Eco Profile (SPP) ### Communication Although Especial Supported ### Official Interference ### Communication Although Especial Supported ### Official Interference ### Communication Although Especial Supported ### Official Interference ### Official Interferenc		0.8 1.2 N·m
* 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 screw-type terminals * for auxiliary and control contacts with screw-type and control and screw the auxiliary and screw-type and control and screw the auxiliary and screw-type and control and screw-type and screw terminals and screw the auxiliary and screw-type and		
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	— 60/480 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA
- at 575/600 V 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 UL - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/	 — at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3VA54, max. 600 A; Iq = 18 kA
- 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 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 460/480 V at 50 °C rated value • at 220/230 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 • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value	 — 60/480 V at inside-delta circuit according to UL 	Siemens type: 3VA54, max. 600 A; Iq max = 65 kA
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 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 • at 220/230 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 • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at inside-delta circuit at 50 °C rated value • at 800/480 V at ins	— at 575/600 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA
- 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 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 • at 220/230 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 • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 260/230 V at inside-delta circuit at 50 °C rated value • at 270/230 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 270/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circuit at 50 °C rated value • at 280/230 V at inside-delta circ	— at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA54, max. 600 A; Iq = 18 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 — 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 • at 220/230 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 • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value • at 280/280 V at inside-delta circuit at 50 °C rated value	• of the fuse	
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. 800 A; Iq = 18 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq = 100 kA Type: Class J / L, max. 800 A; Iq In	· · · · · · · · · · · · · · · · · · ·	Type: Class J / L, max. 800 A; Iq = 18 kA
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 • 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 • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 150 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 150 hp •		Type: Class J / L, max. 800 A; Iq = 100 kA
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 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 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 • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value ontact 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		Type: Class J / L, max. 800 A; Iq = 18 kA
 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 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 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 at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value Brook-B300 Electrical Safety Protection class IP on the front according to IEC 60529 IP00; IP20 with cover 		Type: Class J / L, max. 800 A; Iq = 100 kA
 at 220/230 V at 50 °C rated value at 460/480 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 at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 50 hp at 460/480 V at inside-delta circuit at 50 °C rated value at 60 hp at 75 hp at 200/20 N at 100 hp at 200/20 N a	operating power [hp] for 3-phase motors	
 at 460/480 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 at 460/480 V at inside-delta circuit at 50 °C rated value 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 	• at 200/208 V at 50 °C rated value	60 hp
 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 ocontact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover 	• at 220/230 V at 50 °C rated value	75 hp
 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 contact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover 	• at 460/480 V at 50 °C rated value	150 hp
at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover	• at 200/208 V at inside-delta circuit at 50 °C rated value	125 hp
contact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover	• at 220/230 V at inside-delta circuit at 50 °C rated value	150 hp
Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover	• at 460/480 V at inside-delta circuit at 50 °C rated value	300 hp
protection class IP on the front according to IEC 60529 IP00; IP20 with cover	contact rating of auxiliary contacts according to UL	R300-B300
·		
·		IP00; IP20 with cover
touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front 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











EMV

Test Certificates

Marine / Shipping



KC

Type Test Certificates/Test Report







Marine / Shipping

other

Environment



Confirmation





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=3RW5244-6AC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5244-6AC14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-6AC14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5244-6AC14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

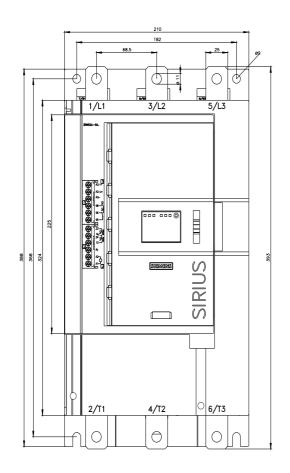
https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-6AC14/char

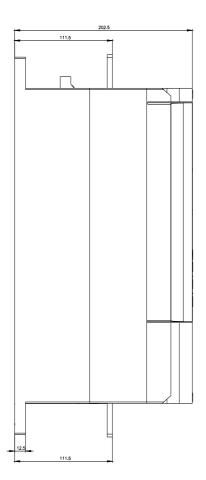
Characteristic: Installation altitude

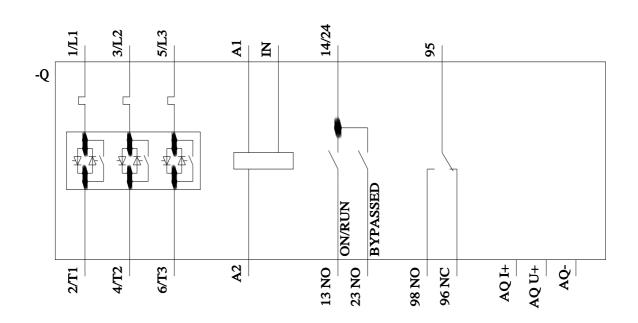
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5244-6AC14\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

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







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