SIEMENS

Data sheet 3RW5235-2AC15



SIRIUS soft starter 200-600 V 143 A, 110-250 V AC spring-type terminals Analog output

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
 of standard HMI module usable 	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 	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3244-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3244-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1227-0; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3334-0B; Type of coordination 2, Iq = 65 kA
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	

for main current circuit	100 ms
for control circuit	100 ms
insulation voltage rated value	600 V
	3, acc. to IEC 60947-4-2
degree of pollution impulse voltage rated value	6 kV
	1 800 V
blocking voltage of the thyristor maximum service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	ORV
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	13.02.2010 00.00.00
• 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
	Yes; Only in conjunction with special accessories
error logbookvia software parameterizable	No
via software parameterizable via software configurable	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication
• FROT leftergy	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 	143 A
 at 50 °C rated value 	128 A
at 60 °C rated value	118 A
operational current at inside-delta circuit	
 at 40 °C rated value 	248 A
 at 50 °C rated value 	222 A
at 60 °C rated value	204 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 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	37 kW
at 230 V at 40 C rated value at 230 V at inside-delta circuit at 40 °C rated value	75 kW
• at 400 V at 40 °C rated value	75 kW
at 400 V at inside-delta circuit at 40 °C rated value	132 kW
at 500 V at 40 °C rated value at 500 V at 40 °C rated value	90 kW
at 500 V at 140 C rated value at 500 V at inside-delta circuit at 40 °C rated value	160 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	68 A
 at rotary coding switch on switch position 2 	73 A
 at rotary coding switch on switch position 3 	78 A
 at rotary coding switch on switch position 4 	83 A
 at rotary coding switch on switch position 5 	88 A
 at rotary coding switch on switch position 6 	93 A
 at rotary coding switch on switch position 7 	98 A
 at rotary coding switch on switch position 8 	103 A
 at rotary coding switch on switch position 9 	108 A
 at rotary coding switch on switch position 10 	113 A
 at rotary coding switch on switch position 11 	118 A
 at rotary coding switch on switch position 12 	123 A
 at rotary coding switch on switch position 13 	128 A
 at rotary coding switch on switch position 14 	133 A
 at rotary coding switch on switch position 15 	138 A
 at rotary coding switch on switch position 16 	143 A
• minimum	68 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	118 A
 for inside-delta circuit at rotary coding switch on switch position 2 	126 A
 for inside-delta circuit at rotary coding switch on switch position 3 	135 A
 for inside-delta circuit at rotary coding switch on switch position 4 	144 A
 for inside-delta circuit at rotary coding switch on switch position 5 	152 A
 for inside-delta circuit at rotary coding switch on switch position 6 	161 A
 for inside-delta circuit at rotary coding switch on switch position 7 	170 A
for inside-delta circuit at rotary coding switch on switch position 8 for inside delta circuit at retary coding switch on	178 A
for inside-delta circuit at rotary coding switch on switch position 9 for inside delta circuit at rotary coding switch on	187 A
for inside-delta circuit at rotary coding switch on switch position 10 for inside delta circuit at retary coding switch on	196 A
for inside-delta circuit at rotary coding switch on switch position 11	204 A
 for inside-delta circuit at rotary coding switch on switch position 12 	213 A
 for inside-delta circuit at rotary coding switch on switch position 13 	222 A
for inside-delta circuit at rotary coding switch on switch position 14	230 A
 for inside-delta circuit at rotary coding switch on switch position 15 	239 A
 for inside-delta circuit at rotary coding switch on switch position 16 	248 A
 at inside-delta circuit minimum 	118 A

15 %; Relative to smallest settable le
76, 1 10.00.110 10 0.110.110.110
55 W
50 W
47 W
2 127 W
1 807 W
1 605 W
1 000 11
AC
AC
440 250 //
110 250 V
110 250 V
-15 %
10 %
-15 %
10 %
50 60 Hz
-10 %
10 %
30 mA
75 mA
2.5 A
12.2 A
2.2 ms
Varistor
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
1
0
3
2
2 normally-open contacts (NO) / 1 changeover contact (CO)
1
3 A
1 A
with vertical mounting ourface 1/00° retatable with vertical recording
with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
screw fixing
306 mm
185 mm
185 mm 203 mm
203 mm
203 mm 10 mm

weight without packaging Connections Terminals Type of electrical connection	at the side	5 mm
type of selectrical connection • for main current circuit • for control circuit vide of connection bar maximum 25 mm 25 mm 25 mm 27 (16 95 mm²) 27 (27 15 mm²) 28 (26 12 mm²) 29 (27 15 mm²) 20 (28 15 mm²) 20 (29 15 mm²) 20 (29 15 mm²) 20 (20	weight without packaging	6.6 kg
• for main current crioral: • 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 stranded • for Control circuit solid • for control circuit solid • for control circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit finely stranded with core end processing wire length • between soft starfer and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • for main contacts with screw-type terminals • for auxiliary and control contacts with	Connections/ Terminals	
• for main current crioral: • 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 stranded • for Control circuit solid • for control circuit solid • for control circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit finely stranded with core end processing wire length • between soft starfer and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • for main contacts with screw-type terminals • for auxiliary and control contacts with	type of electrical connection	
width of connectable conductor cross-sections of ro DN cable lug for main condacts stranded of ro DN cable lug for main condacts stranded of ro DN cable lug for main condacts finely stranded type of connectable conductor cross-sections of for control circuit solid of control circuit solid of for control circuit solid of so control circuit finely stranded with core end processing at AWG cables for control circuit finely stranded with core end processing wire length observed and the standard and the strandard with core end processing wire length observed sold starter and motor maximum observed sold starter and motor maximum observed sold starter and motor maximum observed sold starter and motor contacts with screw-type terminals of ro auxillary and control contacts with screw-type terminals of ro auxillary and control contacts with screw-type terminals of ro auxillary and control contacts with screw-type terminals of ro auxillary and control contacts with screw-type terminals of ro auxillary and control contacts with screw-type terminals of ro auxillary and control contacts with screw-type terminals of ro auxillary and control contacts with screw-type terminals of rouxillary		busbar connection
type of connectable conductor cross-sections	for control circuit	spring-loaded terminals
• for DIN cable lug for main contacts stranded type of connectable conductor cross-sections • for control circuit solid • for control circuit fleely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing wire length • 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 • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for fact 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 c	width of connection bar maximum	
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type of connectable conductor cross-sections of corontrol circuit flowly stranded year of control circuit flowly stranded with core end processing at AWG cables for control circuit flowly stranded with core end processing at AWG cables for control circuit flowly stranded with core end processing wire length between soft starter and motor maximum at the digital inputs at AC maximum fightening torque of or main contacts with screw-type terminals of or auxillary and control contacts with screw-type	for DIN cable lug for main contacts stranded	2x (16 95 mm²)
type of connectable conductor cross-sections • for control circuit solid • for control circuit flowly stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • to the wind 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 for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for f	 for DIN cable lug for main contacts finely stranded 	2x (25 120 mm²)
or control circuit finely stranded with core end processing		
processing	for control circuit solid	2x (0.25 1.5 mm²)
e at AWG cables for control circuit solid e at AWG cables for control circuit finely stranded with core end processing wire length between soft starter and motor maximum e at the digital inputs at AC maximum 100 m 100	 for control circuit finely stranded with core end 	2x (0.25 1.5 mm²)
at AWG cables for control circuit finely stranded with core end processing **wire length ** between soft starter and motor maximum		
core end processing wire length		
• between soft starter and motor maximum • at the digital inputs at AC maximum itightening 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 ### Application of the control of the	core end processing	2x (24 16)
at the digital inputs at AC maximum tightening torque for anim 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 terminals Ambient conditions installation at littude at height above sea level maximum ambient temperature furing operation during storage and transport furing 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 during transport acc. to IEC 60721 during transport acc. to IEC 60721 eduring tran	•	
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 **Ambient conditions** installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage and transport • 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 • during transport acc. to IEC 60721 • Modibus TCP • Nodbus RTU • Modbus TCP • PROFIBUS **ULICSA ratings** manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Inligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Inligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Figh Faults at 460/480 V at inside-delta circuit according to UL — usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Inligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA		
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [libr-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 • 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 poeration • during storage and transport • during storage and transport • 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 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • Communication module is supported • PROFINET standard • PROFINET standard • PROFIBUS **Ves** **EtherNet/IP** • Modbus RTU • Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA **Siemens type: 3VA52, max. 250 A; Iq = 10 kA		100 m
• for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals 89 124 lbf in 7 10.3 lbf in • for main contacts with screw-type terminals 89 124 lbf in 7 10.3 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • for auxiliary and control contacts with screw-type terminals 89 124 lbf in • during operation 5000 m, see catalog • during operation -25 +60 °C; Please observe derating as of 1000 m, see catalog • during operation -25 +60 °C; Please observe derating as of 1000 m, see catalog • during operation -25 +60 °C; Please observe derating as of 1000 m, see catalog • during operation -25 +60 °C; Please observe derating as of 1000 m, see catalog • during storage and transport -25 +60 °C; Please observe derating as of 1000 m, see catalog • during storage and transport -25 +60 °C; Please observe dera		
tightening torque [ibf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals installation attitude at height above sea level maximum ambient conditions installation attitude 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 storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • More the devices), 3M6 • Device the devices, 3M6 • Devi	 for main contacts with screw-type terminals 	10 14 N·m
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Amblent conditions installation allitude at height above sea level maximum amblent temperature • during operation • during storage and transport • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol communication/ Protocol communication/ Protocol PROFINET standard • EitherNet/IP • Modbus RTU • Modbus RTU • PROFIBUS ULICISA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V a coording to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Istandard 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 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 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 Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 357/600 V Siemens type: 3VA52, max. 250 A; Iq = 10 kA		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 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 • during transport acc. to IEC 60721 EMC emitted interference communication/Protocol communication module is supported • PROFINET standard • EtherNet/IP • 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 a coording 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 450/480 V at inside-delta circuit according to UL — usable for High Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V Siemens type: 3VA52, max. 250 A; Iq max = 65 kA	tightening torque [lbf·in]	
Amblent conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • 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 • 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 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 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V Siemens type: 3VA52, max. 250 A; Iq max = 65 kA	 for main contacts with screw-type terminals 	89 124 lbf·in
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— usable for Standard Faults at 575/600 V Siemens type: 3VA52, max. 250 A; Iq = 10 kA	— usable for High Faults at 460/480 V at inside-	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
	— usable for Standard Faults at 575/600 V	Siemens type: 3VA52, max. 250 A; Iq = 10 kA

- usable for Standard Faults at 575/600 V at Siemens type: 3VA52, max. 250 A; Iq = 10 kA inside-delta circuit according to UL of the fuse usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 350 A; Iq = 10 kA according to UL usable for High Faults up to 575/600 V Type: Class J / L, max. 350 A; Iq = 100 kA according to UL - usable for Standard Faults at inside-delta Type: Class RK5 / K5, max. 350 A; Iq = 10 kA circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up Type: Class J / L, max. 350 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 40 hp • at 220/230 V at 50 °C rated value 40 hp at 460/480 V at 50 °C rated value 100 hp • at 575/600 V at 50 °C rated value 125 hp • at 200/208 V at inside-delta circuit at 50 °C rated 75 hp • at 220/230 V at inside-delta circuit at 50 °C rated 75 hp value • at 460/480 V at inside-delta circuit at 50 °C rated 150 hp value • at 575/600 V at inside-delta circuit at 50 °C rated 200 hp value contact rating of auxiliary contacts according to UL R300-B300 Safety related data IP00; IP20 with cover protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility 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=3RW5235-2AC15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5235-2AC15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-2AC15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RW5235-2AC15&lang=en

 $\label{lem:characteristics} \textbf{Characteristics}, \textbf{I}^{\textbf{2}}\textbf{t}, \textbf{Let-through current}$

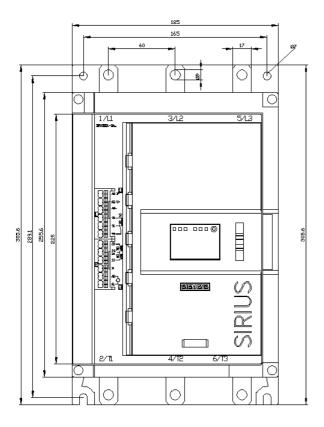
https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-2AC15/char

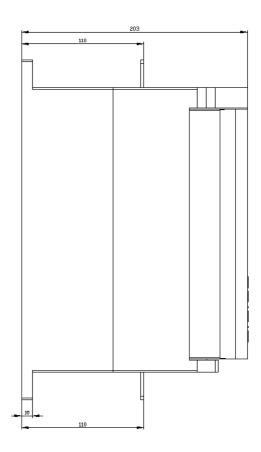
Characteristic: Installation altitude

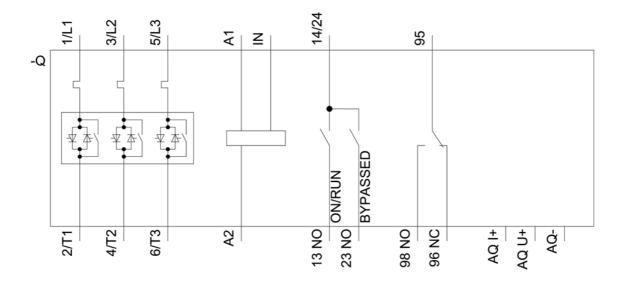
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5235-2AC15&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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