# **SIEMENS**

Data sheet 3RW5236-6TC14



SIRIUS soft starter 200-480 V 171 A, 110-250 V AC Screw terminals Thermistor input

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS00
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1230-0; Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3335; 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> <li>UL approval</li> </ul>	Yes
CSA approval	Yes
product component is supported	
HMI-Standard	Yes
HMI-High Feature	Yes

product feature integrated bypass contact system

Yes

number of soutralled where	2
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	1 400 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	
<ul><li>ramp-up (soft starting)</li></ul>	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
<ul> <li>adjustable current limitation</li> </ul>	Yes
<ul><li>pump ramp down</li></ul>	Yes
<ul> <li>intrinsic device protection</li> </ul>	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick
inside-delta circuit	Yes
auto-RESET	Yes
manual RESET	Yes
remote reset	Yes; By turning off the control supply voltage
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories
<ul><li>error logbook</li></ul>	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> </ul>	No
<ul> <li>via software configurable</li> </ul>	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
• firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
<ul> <li>torque control</li> </ul>	No
analog output	No
Power Electronics	
operational current	
<ul> <li>at 40 °C rated value</li> </ul>	171 A
<ul> <li>at 50 °C rated value</li> </ul>	153 A
at 60 °C rated value	141 A
operational current at inside-delta circuit	
<ul> <li>at 40 °C rated value</li> </ul>	296 A
<ul> <li>at 50 °C rated value</li> </ul>	265 A
at 60 °C rated value	244 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	-15 %
inside-delta circuit	

relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	45 kW
• at 230 V at inside-delta circuit at 40 °C rated value	90 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	90 kW
• at 400 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	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	81 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	87 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	99 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	105 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	111 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	117 A
at rotary coding switch on switch position 8	123 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	129 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	135 A
at rotary coding switch on switch position 11	141 A
at rotary coding switch on switch position 12	147 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	153 A
at rotary coding switch on switch position 14	159 A
at rotary coding switch on switch position 15	165 A
at rotary coding switch on switch position 16	171 A
• minimum	81 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	140 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	151 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	161 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	171 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	182 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	192 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	203 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	213 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	223 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	234 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	244 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	255 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	265 A
for inside-delta circuit at rotary coding switch on switch position 14	275 A
for inside-delta circuit at rotary coding switch on switch position 15	286 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	296 A

	440.4
at inside-delta circuit minimum	140 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	00.144
• at 40 °C after startup	63 W
• at 50 °C after startup	58 W
at 60 °C after startup	54 W
power loss [W] at AC at current limitation 350 %	0.405.144
• at 40 °C during startup	2 405 W
• at 50 °C during startup	2 037 W
at 60 °C during startup	1 826 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	75 mA
locked-rotor current at close of bypass contact maximum	2.5 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 inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	0
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	306 mm
width	185 mm
depth	203 mm
required spacing with side-by-side mounting	
• forwards	10 mm
backwards	0 mm
• upwards	100 mm
ap	

• at the side  • definition to packaging  Connections/ Terminals  type of electrical connection  • for nain current circuit  • for control circuit  • for control circuit  • for control circuit  • with conductor cross-section = 1.5 mm² maximum  type of connectable conductor cross-sections • for DNA cable lug for main contacts shanded • for DNA cable lug for main contacts shanded • for control circuit solid • 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 • during poperation • during poperation • dur	• downwards	75 mm
Upon of electrical connection  • for control circuit  • for control circuit  • for control circuit  • with conductor cross-section = 0.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  • for DIN cable lug for main contacts finely stranded  • 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 solid  • for control circuit solid  • for control circuit solid vire length  • between soft starler and motor maximum  • at the digital inputs at AC maximum  • of 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 for incontacts with screw-type ter	at the side	5 mm
type of electrical connection  • for main current circuit  • for control circuit  violate of connection bar maximum  vivile neight for thermistor connection  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  • with conductor cross-sections • for DIN cable lug for main contacts finely stranded  type of commectable conductor cross-sections • for control circuit solid • for southed circuit solid • between soft starter 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 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	weight without packaging	7.15 kg
• for main current circuit  • for control circuit  width of connection bar maximum  • with conductor cross-section = 0.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  • with conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts stranded • for control circuit infelly stranded with core end processing • at AWG cables for control circuit solid  • for control circuit infelly stranded with core end processing • at AWG cables for control circuit solid  • for main contacts with screw-type terminals • for auxiliary and control c	Connections/ Terminals	
wire length for control circuit solid vire length for thermistor consection  • with conductor cross-section = 1.5 mm² maximum • with conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts stranded • for Control circuit solid • for such circuit solid • for such control control contacts with screw-type terminals • for suxiliary and control contacts with screw-type terminals • for suxiliary 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	type of electrical connection	
with of connection ber maximum  with length for thermistor connection  with conductor cross-section = 1.5 mm² maximum  with conductor cross-section = 2.5 mm² maximum  with conductor cross-section = 2.5 mm² maximum  yell conductor cross-section = 2.5 mm² maximum  type of connectable conductor cross-sections  of ror In Cable lug for main contacts stranded  of ror DIN cable lug for main contacts stranded  of ror control circuit shell conductor cross-sections  of control circuit shell stranded with core end processing  at AWG cables for ontrol circuit shell  of ror control circuit shell stranded with core end processing  of at AWG cables for control circuit shell  of ror control circuit shell strand motor maximum  at the digital inputs at AC maximum  tightening torque  of main contacts with screw-type terminals  of an auxilary and control co	for main current circuit	busbar connection
wire length for thermistor connection  with conductor cross-section = 0.5 mm² maximum  with conductor cross-section = 1.5 mm² maximum  yith conductor cross-section = 2.5 mm² maximum  yith conductor cross-sections  • for DIN cable lug for main contacts stranded  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 fley stranded with core end processing  • at AWG cables for control circuit solid  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 cont	for control circuit	screw-type terminals
with conductor cross-section = 1.5 mm² maximum     with conductor cross-section = 1.5 mm² maximum     ywith conductor cross-section = 1.5 mm² maximum     type of connectable conductor cross-sections     if or IDIN cable lug for main contacts stranded     if or DIN cable lug for main contacts stranded     if or DIN cable lug for main contacts finely stranded     if or DIN cable lug for main contacts finely stranded     if or control circuit finely stranded with core end processing     if or control circuit solid     if or definition is at AC maximum     if the between soft starter and motor maximum     if the between soft starter and motor maximum     if the between soft starter and motor maximum     if the service of the	width of connection bar maximum	25 mm
• with conductor cross-section = 1.5 mm² maximum  **with conductor cross-section = 2.5 mm² maximum  **ype of connectable (conductor cross-sections)  • for DIN cable lug for main contacts stranded  **tor DIN cable lug for main contacts stranded  **tor DIN cable lug for main contacts for the stranded  **tor Control circuit solid  • for control circuit finely stranded with core end processing  • at AWG cables for control circuit solid  **wire length  • 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 screw-type terminals  • for fine contacts with screw-type terminals  • for fine in contacts with screw-type terminals  • for fine in contacts with screw-type terminals  •	wire length for thermistor connection	
with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections of to INIx cable lug for main contacts stranded for DIN cable lug for main contacts stranded type of connectable conductor cross-sections of ro INIx cable lug for main contacts finely stranded type of connectable conductor cross-sections of ro control circuit solid of ro control circuit solid of ro control circuit finely stranded with core end processing at AWG cables for control circuit solid wire length obstween soft starter and motor maximum at the digital inputs at AC maximum tightening torque of ro main contacts with screw-type terminals of a raxiliary and control contacts with screw-type terminals  10 14 N·m 0.8 1.2 N·m	<ul> <li>with conductor cross-section = 0.5 mm² maximum</li> </ul>	50 m
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 stranded  type of connectable conductor cross-sections  • for control circuit slid  • for savillary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for main contacts with screw-type terminals  • 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   Ambient conditions  installation allitude 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 transport acc. to I	<ul> <li>with conductor cross-section = 1.5 mm² maximum</li> </ul>	150 m
• for DIN cable lug for main contacts stranded to for DIN cable lug for main contacts finely stranded 2x (25 120 mm²)      • for control circuit solid 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)      • for control circuit solid 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)      • for control circuit solid 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)      • for control circuit solid 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)      • for cables for control circuit solid 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)      • for cable lug for main contacts with screw-lype terminals 100 m	• with conductor cross-section = 2.5 mm² maximum	250 m
type of connectable conductor cross-sections  • for control circuit solid  • for control circuit finely stranded processing  • at AWG cables for control circuit solid  • for control circuit finely stranded with core end processing  • at AWG cables for control circuit solid  wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  • giptining torque  • for main contacts with screw-type terminals  • for auxiliary and control on terminal auxiliary and control contacts with screw-type terminals  • for auxiliary and control on terminal auxiliary and control on terminals and control auxiliary and control auxiliary and control on terminals and auxiliary and contro	type of connectable conductor cross-sections	
type of connectable conductor cross-sections	<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (16 95 mm²)
• for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid  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 maxiliary 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 main contacts with screw-type terminals • 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 contr	for DIN cable lug for main contacts finely stranded	2x (25 120 mm²)
• for control circuit finely stranded with core end processing • at AVVG cables for control circuit solid  **wire length* • between soft starler and motor maximum • at the digital inputs at AC maximum  **at the digital inputs at AC maximum  **or anxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for anxiliary and control contacts with screw-type terminals • for anxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type • during operation • during operation • during storage and transport • during storage and transport • during storag	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 the control contacts with screw-type terminals  • for maxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • during operation  • during storage and transport  • during storage and to the for 60721   ### Storage Terminals  10 14 N·m  10 12 N·m  11 10 shorting  10 12 N·m  11	<ul> <li>for control circuit solid</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
* at AWG cables for control circuit solid  wire length  between soft starter and motor maximum  at the digital inputs at AC maximum  100 m  **Itightening torque**  for annian contacts with screw-type terminals  for auxiliary and control contacts with screw-type terminals  **One auxiliary and control contacts with screw-type terminals  **One auxiliary and control contacts with screw-type terminals  **One auxiliary and control contacts with screw-type terminals  **Ambient conditions**  installation altitude at height above sea level maximum  ambient temperature  **oturing operation  **oturing operation  **oturing operation acc. to IEC 60721  **oturing operation acc. to IEC 60721  **oturing storage and transport  **oturing storage acc. to IEC 60721  **oturing storage acc. to IEC 60721  **oturing transport acc. to IEC 60721  **EMC emitted interference  Communication module is supported  **PROFINET standard  **PROFINET	· · · · · · · · · · · · · · · · · · ·	1x (0.5 2.5 mm²), 2x (0.5 1.5 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 • 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 with screw-type terminals • for auxiliary and control contacts with screw-		4 (00 40) 0 (00 44)
• between soft starter and motor maximum     • at the digital inputs at AC maximum     100 m      100 m  100		1x (20 12), 2x (20 14)
e 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 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 operation  • during operation acc. to IEC 60721  • during operation acc. to IEC 60721  • during storage and transport  • during storage acc. to IEC 60721  • during transport acc. to IEC 60721  • PROFINET standard  • PROFINET standard  • PROFINET standard  • PROFIBUS   ULICSA 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  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA	•	000
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  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 transport acc. to IEC 60721  • May a consider the devices), 3M6  • during transport acc. to IEC 60721  EMC emitted interference  communication module is supported  • PROFINET standard  • PROFIBUS  ULICSA 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  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
• 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 • 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 operation acc. to IEC 60721 • during operation 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/Protocol  Communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Wes • PROFIBUS  ULICSA 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  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     • 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     Ambient conditions		40 444
tightening torque [ibf-in]  • for main 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 transport acc. to IEC 60721  • EMC emitted Interference  • Communication Protocol  communication Protocol  communication module is supported  • PROFIBUS  **PROFIBUS  **ULICSA 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  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
tightening torque [lbf-in]  • for main 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 operation 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 Protocol  communication module is supported • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus RTU • PROFIBUS  ULCSA 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 according to UL — usable for Standard Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq = 10 kA	, , , , , , , , , , , , , , , , , , , ,	0.8 1.2 N·m
• for main 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 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 • Cemurated interference  Communication/ Protocol  communication/ Protocol  communication/ Protocol  communication/ Protocol  communication/ Protocol  communication/ Protocol  communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS  profice in the devices and transport acc. to IEC 60780 • PROFIBUS  profice in the device and t		
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 storage acc. to IEC 60721     during storage acc. to IEC 60721     during transport acc. to IEC 60947-4-2; Class A  Communication Protocol  communication module is supported     PROFINET standard     PROFIBUS     ves     during transport acc. to IEC 60947-4-2; Class A  Communication module is supported     PROFIBUS     ves		80 124 lhf-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 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 TCP  • PROFIBUS  Tuesday   **Tess		
installation altitude at height above sea level maximum  ambient temperature  during operation  during storage and transport  during operation act to IEC 60721  during operation act to IEC 60721  during storage acc. to IEC 60721  during transport acc. to IEC 60721  EMC emitted interference  communication/ Protocol  communication/ Protocol  communication module is supported  PROFINET standard  PROFINET standard  PROFIBUS  Tyes  Modbus TCP  PROFIBUS  Tyes  PROFIBUS  Tyes  PROFIBUS  Tyes  PROFIBUS  Tyes  PROFIBUS  Tyes  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	, , , , , , , , , , , , , , , , , , , ,	7 10.0 101 111
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 module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  pros  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  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA	Ambient conditions	
<ul> <li>during operation</li> <li>during storage and transport</li> <li>during storage and transport</li> <li>during operation acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during transport acc. to IEC 60947.4-2: Class A</li> <li>during transport acc. to IEC 60947.4-2: Class A</li> <li>description module is supported</li> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus RTU</li> <li>PROFIBUS</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>PROFIBUS</li> <li>Tyes</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq max = 65 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>	installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
during storage and transport     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 60947-4-2: Class A  Communication module is supported      • PROFINET standard     • PROFINET standard     • PROFIBUS     • Modbus RTU     • Modbus RTU     • Modbus RTU     • PROFIBUS  DL/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  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA	ambient temperature	
<ul> <li>during storage and transport</li> <li>environmental category</li> <li>during operation acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>during transport acc. to IEC 60721</li></ul>	<ul><li>during operation</li></ul>	
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  EMC emitted interference  communication Protocol  communication module is supported  • PROFINET standard  • 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 according to UL  — usable for Standard Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
• 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      • PROFINET standard      • EtherNet/IP      • Modbus RTU      • Modbus TCP      • PROFIBUS      • PROFIBUS      • PROFIBUS      • PROFIBUS      • 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		-40 +80 °C
mist), 3S2 (sand must not get into the devices), 3M6  • 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 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  mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (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  • EtherNet/IP  • Yes  • Modbus RTU  • Modbus RTU  • 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  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
<ul> <li>during storage acc. to IEC 60721 <ul> <li>during transport acc. to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> </ul> </li> <li>EMC emitted interference <ul> <li>communication/ Protocol</li> </ul> </li> <li>communication module is supported <ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus RTU</li> <li>PROFIBUS</li> </ul> </li> <li>Wes <ul> <li>PROFIBUS</li> <li>Yes</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul> </li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>	<ul> <li>during operation acc. to IEC 60721</li> </ul>	
ont get inside the devices), 1M4  • during transport acc. to IEC 60721  EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus RTU  • Modbus TCP  • PROFIBUS  Tyes  • PROFIBUS   Wes  • IL/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  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA	• during storage acc. to IEC 60724	, , , ,
<ul> <li>during transport acc. to IEC 60721  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus RTU  PROFIBUS  Ves  PROFIBUS  Ves  PROFIBUS  Ves  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>	• during storage acc. to IEC 60721	
EMC emitted interference  acc. to IEC 60947-4-2: Class A  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 according to UL  — usable for High Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA	<ul> <li>during transport acc. to IEC 60721</li> </ul>	o "
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 High Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA		
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 High Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA		
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at</li> <li>Siemens type: 3VA52, max. 250 A; Iq max = 65 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>		
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at</li> <li>Siemens type: 3VA52, max. 250 A; Iq max = 65 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq max = 65 kA</li> </ul>	• • • • • • • • • • • • • • • • • • • •	Yes
<ul> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at</li> </ul> Siemens type: 3VA52, max. 250 A; Iq max = 65 kA <ul> <li>Siemens type: 3VA52, max. 250 A; Iq max = 65 kA</li> </ul> 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 = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
<ul> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at</li> <li>Siemens type: 3VA52, max. 250 A; Iq max = 65 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>		
● 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 according to UL  — usable for Standard Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
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 according to UL  — usable for Standard Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
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  Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at</li> </ul> </li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>		
<ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>		
according to UL  — usable for High Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq = 10 kA		Ciamana huna 2VAE2 many 050 A. L. 40 LA
to UL  — usable for Standard Faults at 460/480 V at  Siemens type: 3VA52, max. 250 A; Iq = 10 kA	according to UL	
	to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
		Siemens type: 3VA52, max. 250 A; Iq = 10 kA

— usable for High Faults at 460/480 V at inside-delta circuit according to UL  $\,$ 

— 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 High Faults at inside-delta circuit up to 575/600 V according to UL

# Siemens type: 3VA52, max. 250 A; Iq max = 65 kA

Siemens type: 3VA52, max. 250 A; Iq = 10 kA

Siemens type: 3VA52, max. 250 A; Iq = 10 kA

Type: Class RK5 / K5, max. 400 A; Iq = 10 kA

Type: Class J / L, max. 350 A; Iq = 100 kA

Type: Class RK5 / K5, max. 400 A; Iq = 10 kA

Type: Class J / L, max. 350 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 460/480 V at inside-delta circuit at 50 °C rated value

contact rating of auxiliary contacts according to UL

50 hp

50 hp

100 hp

75 hp

100 hp

200 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=3RW5236-6TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5236-6TC14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RW5236-6TC14">https://support.industry.siemens.com/cs/ww/en/ps/3RW5236-6TC14</a>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5236-6TC14&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5236-6TC14&lang=en</a>

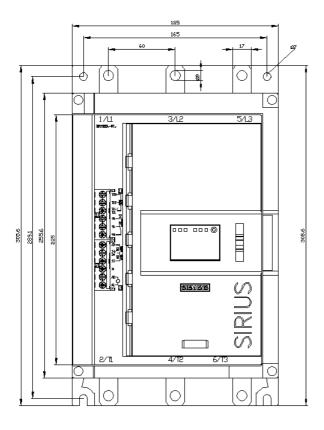
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5236-6TC14/char

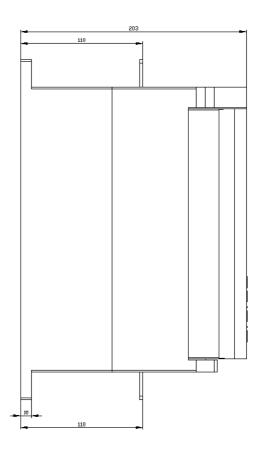
Characteristic: Installation altitude

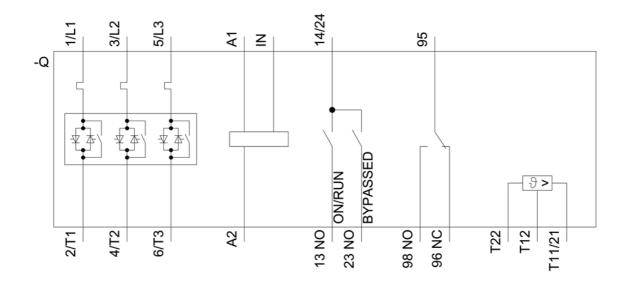
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5236-6TC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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