## SIEMENS

## Data sheet

## 3RW5216-1AC14



SIRIUS soft starter 200-480 V 32 A, 110-250 V AC Screw terminals Analog output

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<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>	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4VA10; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3824-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3824-6; 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>	3NE1818-0; 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>	3NE8022-1; Type of coordination 2, Iq = 65 kA
eneral 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	
<ul> <li>for main current circuit</li> </ul>	100 ms
for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
<ul> <li>between main and auxiliary circuit</li> </ul>	600 V
utilization category acc. to IEC 60947-4-2	AC 53a
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
reference code acc. to IEC 81346-2	Q
product function	
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	Yes
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No
● inside-delta circuit	Yes
● auto-RESET	Yes
manual RESET	Yes
<ul> <li>remote reset</li> </ul>	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
error logbook	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
<i>6</i>	module
firmware update     remenuels terminal for control singuit	Yes
removable terminal for control circuit	Yes
torque control	No
<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
Power Electronics	
operational current	
• at 40 °C rated value	32 A
• at 50 °C rated value	28.4 A
• at 60 °C rated value	26 A
operational current at inside-delta circuit	
• at 40 °C rated value	55.4 A
<ul> <li>at 50 °C rated value</li> </ul>	49 A
• at 60 °C rated value	45 A
operating voltage	
<ul> <li>rated value</li> </ul>	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	10 %

inside-delta circuit	
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	7.5 kW
• at 230 V at inside-delta circuit at 40 °C rated value	15 kW
• at 400 V at 40 °C rated value	15 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	22 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>	14 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	15.2 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	16.4 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	17.6 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	18.8 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	20 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	21.2 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	22.4 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	23.6 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	24.8 A
at rotary coding switch on switch position 11	26 A
at rotary coding switch on switch position 12	27.2 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	28.4 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	29.6 A
at rotary coding switch on switch position 15	30.8 A
• at rotary coding switch on switch position 16	32 A
• minimum	14 A
<ul> <li>adjustable motor current</li> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	24.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	26.3 A
• for inside-delta circuit at rotary coding switch on switch position 3	28.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	30.5 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	32.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	34.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	36.7 A
• for inside-delta circuit at rotary coding switch on switch position 8	38.8 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> <li>for inside delta circuit at rotary coding switch on</li> </ul>	40.9 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> <li>for inside delta circuit at rotary coding switch on</li> </ul>	43 A 45 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> <li>for inside delta circuit at rotary coding switch on</li> </ul>	45 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> <li>for inside delta circuit at rotary coding switch on</li> </ul>	47.1 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	49.2 A 51.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	53.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	55.4 A
<ul> <li>Ior inside-delta circuit at rotary cooing switch on switch position 16</li> <li>at inside-delta circuit minimum</li> </ul>	24.2 A
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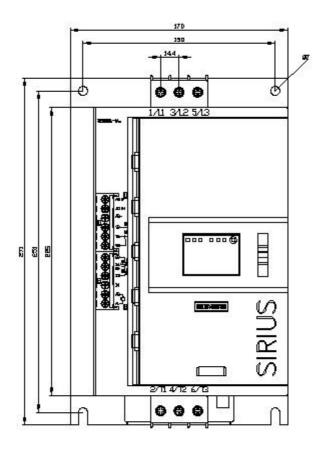
minimum load [9/]	15 %; Relative to smallest settable le
minimum load [%]	15 %, Relative to smallest settable le
power loss [W] for rated value of the current at AC	22.14/
• at 40 °C after startup	22 W
• at 50 °C after startup	21 W
• at 60 °C after startup	20 W
power loss [W] at AC at current limitation 350 %	=0.1.11
• at 40 °C during startup	531 W
• at 50 °C during startup	449 W
• at 60 °C during startup	395 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
<ul> <li>control supply voltage at AC at 50 Hz</li> </ul>	110 250 V
<ul> <li>control supply voltage at AC at 60 Hz</li> </ul>	110 250 V
relative negative tolerance of the control supply	-15 %
voltage at AC at 50 Hz	
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	0.17 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	0
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
• at AC-15 at 250 V rated value	3 A
• at DC-13 at 24 V rated value	1 A
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
fastening method	surface +/- 22.5° tiltable to the front and back
height	275 mm
width	170 mm
depth	152 mm
required spacing with side-by-side mounting	
forwards	10 mm
backwards	0 mm
	100 mm
<ul> <li>upwards</li> <li>downwards</li> </ul>	75 mm
• at the side	5 mm

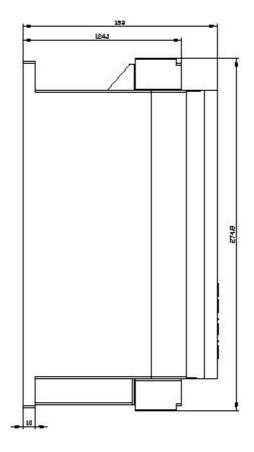
not get inside the devices), 1M4         • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         acc. to IEC 60947-4-2: Class A         Communication Protocol         communication module is supported         • PROFINET standard         • PROFINET standard         Yes         • Modbus RTU         • Modbus RTU         • PROFIBUS         Yes         • Modbus TCP         • PROFIBUS         Yes         • PROFIBUS         VL/CSA ratings         manufacturer's article number         • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL         - usable for High Faults at 460/480 V according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for High Faults at 460/480 V at inside-         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA	weight without packaging	2.3 kg
is for main current circuit     screw-type terminals       is for main contacts	Connections/ Terminals	
• for control circuit         screw-type terminals           type of connectable conductor cross-sections         :           • for main contacts         :           • ad AWG cables for main current circuit solid         :           • type of connectable conductor cross-sections         :           • tor control circuit solid         :           • tor main contacts with screw-type terminals	type of electrical connection	
type of connectable conductor cross-sections       For main contacts         • for main contacts       - solid         - solid       - solid         - finely stranded with core end processing       2x (1 0 2.5 mm <sup>2</sup> ), 2x (2 5 60 mm <sup>2</sup> )         • for control circuit finely stranded with core end processing       1x (0 5 4 0 mm <sup>2</sup> ), 2x (0 5 2.5 mm <sup>2</sup> )         • for control circuit finely stranded with core end processing       1x (0 5 2 4 mm <sup>2</sup> ), 2x (0 5 2.5 mm <sup>2</sup> )         • for control circuit finely stranded with core end processing       1x (2 5 4 0 mm <sup>2</sup> ), 2x (2 0 15 mm <sup>2</sup> )         • for auxiliary and control contacts with screw-type terminals       60 m         • for auxiliary and control contacts with screw-type terminals       5 000 m; Derating as of 1000 m, see catalog         • for auxiliary and control contacts with screw-type terminals       5 000 m; Derating as of 1000 m, see catalog         • ambient temperature during operation       2 40 °C; Please observe derating at temperatures of 40 °C or above         • ambient temperature during operation       2 40 °C; Please observe derating at temperatures of 40 °C or above         • during storage act: to EC 60721       2 40 °C; Please observe derating at temperatures of 40 °C or above         • during storage act: to EC 60721       2 25, 2 20 31, 2 20 30 32 (no satt mist), 322 (and must not get into the devices), 3 30 (no satt mist), 322 (and must not get into the devices), 3 32 (no satt mist),	for main current circuit	screw-type terminals
<ul> <li>for main contacts         <ul> <li>solid</li> <li>Solid</li></ul></li></ul>	for control circuit	screw-type terminals
<ul> <li>- solid</li> <li>- finely stranded with core end processing</li> <li>et AWS cables for main current circuit solid</li> <li>for control circuit finely stranded with core end processing</li> <li>et AWS cables for control circuit solid</li> <li>ta Control circuit finely stranded with core end processing</li> <li>et AWS cables for control circuit solid</li> <li>ta the digital inputs at AC maximum</li> <li>to for auxiliary and control contacts with screev-type terminals</li> <li>for auxiliary and control contacts with screev-type terminals</li> <li>during operation act. to IEC 60721</li> <li>ambient temperature during operation</li> <li>authient torduring storage and transport</li> <li>during storage act. to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)</li> <li>during storage act. to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)</li> <li>act of Isroader 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 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 according to UL</li></ul>	type of connectable conductor cross-sections	
	<ul> <li>for main contacts</li> </ul>	
• at AWG cables for main current circuit solid       2x (16 12), 2x (14 8)         type of connectable conductor cross-sections       1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 4.5 mm <sup>2</sup> )         • for control circuit fiely stranded with core end processing       1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 4.15 mm <sup>2</sup> )         • at AWG cables for control circuit solid       1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 4.15 mm <sup>2</sup> )         • at WG cables for control circuit solid       1x (20 12), 2x (20 14)         wire length       800 m         • at the digital inputs at AC maximum       800 m         • at the digital inputs at AC maximum       100 m         tightening torque       6 m main contacts with screw-type terminals         • for auxiliary and control contacts with screw-type terminals       18 22 lbf in         • for auxiliary and control contacts with screw-type terminals       7 10.3 lbf in         • installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         • ambient temperature during storage and transport       -40 +80 °C         • during storage act. to IEC 60721       2K (2, 20; 2, 21; 2M (max, 10 height 0.3 m)         • during transport acc. to IEC 60721       2K (2, 20; 2K) 2M (max, 10 height 0.3 m)         • during transport acc. to IEC 60721       2K (2, 20; 2K) 2M (max, 10 height 0.3 m)         • during transport acc. to IEC 60721       2K (2,	— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
type of connectable conductor cross-sections       in Crochici circuit solid         in for control circuit solid       tx (0.5 4.0 mm²), 2x (0.5 1.5 mm²)         in control circuit solid       tx (0.5 4.0 mm²), 2x (0.5 1.5 mm²)         wire length       is (0.5 4.0 mm²), 2x (0.5 1.5 mm²)         in control circuit solid       tx (0.5 4.0 mm²), 2x (0.5 1.5 mm²)         wire length       is (0.5 4.0 mm²), 2x (0.5 1.5 mm²)         is (0.5 4.0 mm²), 2x (0.5 1.5 mm²)       is (0.5 4.0 mm²), 2x (0.5 1.5 mm²)         wire length       is (0.5 4.5 mm²), 2x (0.5 1.5 mm²)         is (0.5 4.5 mm²), 2x (0.5 1.5 mm²)       is (0.5 4.5 mm²), 2x (0.5 1.5 mm²)         wire length       is (0.5 4.5 mm²), 2x (0.5 1.5 mm²)         is (0.5 4.5 mm²), 2x (0.5 1.5 mm²)       is (0.5 1.5 mm²)         is (0.5 4.5 mm²), 2x (0.5 1.5 mm²)       is (0.5 1.5 mm²)         is (0.5 1.5 mm²)       is (0.5 1.5 mm²)	<ul> <li>finely stranded with core end processing</li> </ul>	2x (1.0 2.5 mm <sup>2</sup> ), 2x (2.5 6.0 mm <sup>2</sup> )
<ul> <li>for control circuit solid</li> <li>for control circuit solid</li> <li>for control circuit tinely stranded with core end processing</li> <li>et at AWS cables for control circuit solid</li> <li>full (25, 2, 5, mm<sup>2</sup>), 2x (0, 5, 2, 5, mm<sup>2</sup>)</li> <li>fx (0, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 2, 5, mm<sup>2</sup>)</li> <li>fx (0, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 2, 5, mm<sup>2</sup>)</li> <li>fx (0, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 2, 5, mm<sup>2</sup>)</li> <li>fx (0, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 2, 5, mm<sup>2</sup>)</li> <li>fx (0, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 2, 5, mm<sup>2</sup>)</li> <li>fx (0, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 2, 5, mm<sup>2</sup>)</li> <li>fx (0, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 1, 5, mm<sup>2</sup>)</li> <li>fx (1, 5, 2, 5, mm<sup>2</sup>), 2x (0, 5, 1, 5, mm<sup>2</sup>)</li> <li>fx (1, 5, 2, 5, mm<sup>2</sup>), 2x (2, 0, 14)</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type terminals&lt;</li></ul>		2x (16 12), 2x (14 8)
e at AWC cables for control circuit solid       1x (20 12), 2x (20 14)         wire length       between soft starter and motor maximum       800 m         • at the digital inputs at AC maximum       100 m         • for auxiliary and control contacts with screw-type terminals       2 2.5 N·m         • for auxiliary and control contacts with screw-type terminals       0.8 1.2 N·m         • for auxiliary and control contacts with screw-type terminals       18 22 lbf-in         • for auxiliary and control contacts with screw-type terminals       5 000 m; Derating as of 1000 m, see catalog         • installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         • ambient conditions       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • ambient temperature during operation       -26 +80 °C         • during storage acc. to IEC 60721       3K6 (noi ce formation, only occasional condensation), 3C3 (no salt mist), 352 (sand must not get link the devices), 3M6         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m)         • Communication module is supported       Yes         • RROFINET standard       Yes         • Modous RTU       Yes         • Modous RTU       Yes         • Nording to U		
		1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
wire length <ul> <li>between soft starter and motor maximum</li> <li>between soft starter and motor maximum</li> <li>of maxillary and control contacts with screw-type terminals</li> <li>or anxillary and control contacts with screw-type terminals</li> <li>or maxillary and control contacts with screw-type terminals</li> <li>for axillary and control contacts with screw-type terminals</li> <li>for axillary and control contacts with screw-type terminals</li> <li>for maxillary and control contacts with screw-type terminals</li> <li>for axillary and control contacts with screw-type terminals</li> <li>for ding pertatin acc. to IEC 60721</li> <li>for ding perat</li></ul>		1x (20 12), 2x (20 14)
between soft starter and motor maximum     it the digital inputs at AC maximum     100 m     10		
ightening torque <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type terminals</li> <li>for during storage and transport</li> <li>for during transport acc. to IEC 60721</li> <li>K6 (onice formation, only occasional condensation),</li></ul>		800 m
• for main contacts with screw-type terminals         2 2.5 N·m           • for auxiliary and control contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary and control contacts with screw-type terminals         18 22 lbf-in           • for auxiliary and control contacts with screw-type terminals         7 10.3 lbf-in           Ambient conditions         5 000 m; Derating as of 1000 m, see catalog           • ambient temperature during operation         - 40 +60 °C; Please observe derating at temperatures of 40 °C or above           • ambient temperature during storage and transport         -40 +80 °C           • during peration acc. to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • Communication module is supported         • Roc FiBUS           • PROFIBUS         Yes           • Modbus RTU         Yes           • usable for High Faults at 460/480 V according to UL         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 KA inside-delta circuit according to UL           • usable for Standard Faults at 460/480 V accordi	<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m
• for auxiliary and control contacts with screw-type terminals         0.8 1.2 N m           • for main contacts with screw-type terminals         18 22 lbf in 7 10.3 lbf in           • for auxiliary and control contacts with screw-type terminals         18 22 lbf in 7 10.3 lbf in           • Ambient conditions         5 000 m; Derating as of 1000 m, see catalog           • ambient temperature during operation         - 25 +60 °C; Please observe derating at temperatures of 40 °C or above           • ambient temperature during storage and transport         -40 +80 °C           • during operation acc. to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)           • during transport acc. to IEC 60721 <td< td=""><td>tightening torque</td><td></td></td<>	tightening torque	
terminals         tightening torque [lbf-in]         • for auxiliary and control contacts with screw-type terminals         Anbient conditions         installation altitude at height above sea level maximum         • ambient temperature during operation         • ambient temperature during storage and transport         • during operation acc. to IEC 60721         • during transport acc. to IEC 60721         • Communication Protocol         communication Protocol         communication Protocol         communication Protocol         ves         • PROFIBUS         ull CISA 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 High Faults at 460/480 V at inside-         - usable for High Faults at 460/480 V at inside- <td><ul> <li>for main contacts with screw-type terminals</li> </ul></td> <td>2 2.5 N·m</td>	<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m
tightening torque [lbf-in] <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type terminals</li> <li>most output to contacts with screw-type terminals</li> <li>ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>for auxiliary and control contacts with screw-type terminals</li> </ul> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>ambient temperature during operation</li> <li>ambient temperature 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 transport acc. to IEC 60721</li> <li>during transport acc. to IEC 60721</li> <li>during transport acc. to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus RTU</li> <li>Modbus RTU</li> <li>Ves</li> <li>Yes</li> <li>Modbus RTU</li> <li>usable for Standard 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 High Faults at 460/480 V at inside-</li> <li>biemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 40 A or 3VA51, max. 60 A; Iq max = 65 kA</li>		0.8 1.2 N·m
• for main contacts with screw-type terminals         18 22 lbf in           • for auxiliary and control contacts with screw-type terminals         7 10.3 lbf-in           Ambient conditions         5 000 m; Derating as of 1000 m, see catalog           • ambient temperature during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • ambient temperature during storage and transport         -40 +80 °C           • during operation acc. to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. flat height		
• for auxiliary and control contacts with screw-type terminals         7 10.3 lbF in           Ambient conditions         installation altitude at height above sea level maximum         5 000 m; Derating as of 1000 m, see catalog           • ambient temperature during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • ambient temperature during operation acc. to IEC 60721         -40 +80 °C           • during operation acc. to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • during transport acc. to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • etherNet/IP         Yes           • Modbus RTU         Yes           • PROFINET standard         Yes           • PROFIBUS         Yes <b>UL/CSA ratings</b> Yes           manufacturer's article number         • of circuit breaker           - usable for Standard Faults at 460/480 V according to UL         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA           Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA		10 00 lbf in
Installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         • ambient temperature during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • ambient temperature during storage and transport       -40 +80 °C         • during operation acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         • during transport acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand mus not get inside the devices), 1M4         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • DeroliNET standard       Yes         • PROFINET standard       Yes         • Modbus TCP       Yes         • Modbus TCP       Yes         • JULCSA ratings       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 KA         manufacturer's article number       • of circuit breaker         - usable for Sta		
installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         • ambient temperature during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • ambient temperature during storage and transport       -40 +80 °C         • during operation acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         • during storage acc. to IEC 60721       3K6 (no loce formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport acc. to IEC 60721       Yes         • DeroliNET standard       Yes		7 10.3 lbt-in
ambient temperature during operation     ambient temperature during storage and transport     adving operation acc. to IEC 60721     adving storage acc. to IEC 60721     adving transport acc. to IEC 60721     EMC emitted interference     acc. to IEC 60947-4-2: Class A     Communication/ Protocol     communication module is supported     PROFINET standard     Yes     Modbus RTU     Yes     Modbus RTU     Yes     PROFIBUS     Ves     UL/CSA ratings     manufacturer's article number      of circuit breaker	Ambient conditions	
ambient temperature during storage and transport       -40 +80 °C         environmental category       -40 +80 °C         e during operation acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         e during storage acc. to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         e during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A         Communication Protocol       communication Module is supported         e EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         out       - usable for High Faults at 460/480 V a coording to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         isemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA	installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature during storage and transport       -40 +80 °C         environmental category       -40 +80 °C         e during operation acc. to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         e during storage acc. to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         e during transport acc. to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A         Communication Protocol       communication Module is supported         e EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA         out       - usable for Standard Faults at 460/480 V a coording to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA         inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA         isemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA	<ul> <li>ambient temperature during operation</li> </ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or
environmental category <ul> <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>t6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand mus not get into the devices), 1M4</li> </ul> <ul> <li>during transport acc. to IEC 60721</li> <li>t6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand mus not get inside the devices), 1M4</li> <li>during transport acc. to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> <li>acc. to IEC 60947-4-2: Class A</li> </ul> Communication module is supported         Yes <ul> <li>PROFINET standard</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> </ul> <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-edita circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-edita circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-edita circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> </ul>		above
<ul> <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 transport acc. to IEC 60721</li> <li>during transport acc. to IEC 60721</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> </ul> Communication module is supported <ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>PROFIBUS</li> <li>PROFIBUS</li> <li>Ves</li> <li>Ves</li> <li>Proof Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V at inside-</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> </ul>		-40 +80 °C
mist), 3S2 (sand must not get into the devices), 3M6         • during storage acc. to IEC 60721         • during transport acc. to IEC 60921         • during transport acc. to IEC 60721         • during transport acc. to IEC 60721         • during transport acc. to IEC 60947-4-2: Class A         • PROFINET standard         • PROFINET standard         • PROFIBUS         • Modbus TCP         • PROFIBUS         • usable for Standard Faults at 460/480 V according to UL         - usable for High Faults at 460/480 V at inside-         • usable for Standard Faults at 460/480 V at inside-         • usable for High Faults at 460/480 V at inside- <td></td> <td></td>		
not get inside the devices), 1M4         • 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         • PROFINET standard         • PROFINET standard         Yes         • Modbus RTU         • Modbus TCP         • PROFIBUS         Yes         • DROFIBUS         UL/CSA ratings         manufacturer's article number         • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL         - usable for High Faults at 460/480 V according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for High Faults at 460/480 V at inside-delta circuit according to UL         - usable for High Faults at 460/480 V at inside-delta circuit according to UL         - usable for High Faults at 460/480 V at inside-         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA </td <td><ul> <li>during operation acc. to IEC 60721</li> </ul></td> <td></td>	<ul> <li>during operation acc. to IEC 60721</li> </ul>	
• 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       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         • DROFIBUS       Yes         • DIL/CSA ratings       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA         - usable for Standard Faults at 460/480 V at inside-elta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA         - usable for Standard Faults at 460/480 V at inside-       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA	<ul> <li>during storage acc. to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must
EMC emitted interference       acc. to IEC 60947-4-2: Class A         Communication/ Protocol         communication module is supported         PROFINET standard       Yes         PROFINET standard       Yes         Modbus RTU       Yes         Modbus TCP       Yes         PROFIBUS       Yes         UL/CSA ratings       Yes         manufacturer's article number       of circuit breaker         – usable for Standard Faults at 460/480 V according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         usable for Standard Faults at 460/480 V according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 kA         usable for Standard Faults at 460/480 V at inside-       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
Communication/ Protocol         communication module is supported         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Yes         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       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         - usable for High Faults at 460/480 V at inside-       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         - usable for High Faults at 460/480 V at inside-       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
communication module is supported         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes <b>UL/CSA ratings</b> Yes         usable for Standard Faults at 460/480 V according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         - usable for High Faults at 460/480 V according to UL       Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max.70 A or 3VA51, max. 100 A; Iq = 5 kA         - usable for High Faults at 460/480 V at inside-       Siemens type: 3RV2742, max.70 A or 3VA51, max. 100 A; Iq = 5 kA		acc. to IEC 60947-4-2: Class A
<ul> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>EtherNet/IP</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>UL/CSA ratings</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>- usable for Standard Faults at 460/480 V according to UL</li> <li>- usable for Standard Faults at 460/480 V at inside-</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> </ul>	Communication/ Protocol	
<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> </ul> UL/CSA ratings UL/CSA ratings UL/CSA rations Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA <ul> <li>- usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>- usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>- usable for High Faults at 460/480 V at inside-</li> </ul>		
<ul> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> </ul> UL/CSA ratings UL/CSA ratings Simmanufacturer'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 Standard Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL <ul> <li>— usable for Standard Faults at 460/480 V at inside-</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA</li> </ul></li></ul>		
<ul> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>UL/CSA ratings</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 inside-delta circuit according to UL</li> <li>- usable for High Faults at 460/480 V at inside-</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> </ul>		
• PROFIBUS       Yes         UL/CSA ratings       Figure 1         manufacturer's article number       • of circuit breaker         • 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       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3RV2742, max. 40 A or 3VA51, max. 60 A; Iq max = 65 kA         - usable for Standard Faults at 460/480 V at inside-       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
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 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-         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 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 according to UL         — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-         Siemens type: 3RV2742, max. 40 A or 3VA51, max. 60 A; lq max = 65 kA		Yes
<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 according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> </ul> </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 according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA</li> </ul>		
according to UL       — usable for High Faults at 460/480 V according to UL       Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA         — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA         — usable for High Faults at 460/480 V at inside-       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA		Sigmond type: $2D/2742$ may 70 Å or $2/454$ may 400 Å is $-5$ kÅ
to ULkA— usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA— usable for High Faults at 460/480 V at inside-Siemens type: 3VA51, max. 60 A; lq max = 65 kA		Siemens type. $3RVZ742$ , max. 70 A or $3VA51$ , max. 100 A, iq = 5 kA
inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA51, max. 60 A; lq max = 65 kA		
		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA
delta circuit according to UL		Siemens type: 3VA51, max. 60 A; lq max = 65 kA
— usable for Standard Faults at 575/600 V Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA according to UL		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA

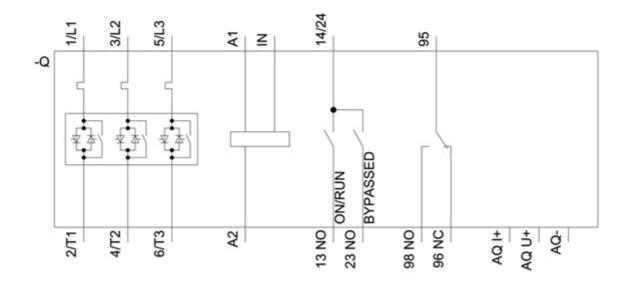
<ul> <li>of the fuse</li> </ul>	
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 125 A; Iq = 5 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 125 A; lq = 100 kA
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 125 A; lq = 5 kA
<ul> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 125 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	7.5 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	10 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	20 hp
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp
at 460/480 V at inside-delta circuit at 50 °C rated value	30 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
electromagnetic compatibility	in accordance with IEC 60947-4-2
Certificates/ approvals	
	EMC
General Product Approval	
() () () () () () () () () () () () () (	
Image: Second system       Image: Second system       Image: Second system       Image: Second system         Declaration of Conformity       Test Certificates/       Type Test Certificates/         Miscellaneous       Image: Second system       Image: Second system         Miscellaneous       Image: Second system       Image: Second system	Test ABS LIRS PRS
Image: Sector	tinest Lest ABS LES PFS PFS PFS PFS PFS PFS PFS PF

## Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5216-1AC14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917







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