# SIEMENS



#### 3RW5515-1HF14

#### Data sheet



SIRIUS soft starter 200-480 V 25 A, 110-250 V AC, Screw terminals Failsafe

Figure similar

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Failsafe soft starters
product type designation	3RW55
manufacturer's article number	
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	<u>3RW5950-0CH00</u>
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3RV2032-4EA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4VA10: Type of coordination 1, Iq = 15 kA. CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3822-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	<u>3NA3822-6; Type of coordination 1, Iq = 65 kA</u>
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1817-0; Type of coordination 2, Iq = 65 kA</u>
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE8021-1: Type of coordination 2. Iq = 65 kA</u>
<ul> <li>of the redundant contactor for applications &gt; SIL 1 according to EN 62061</li> </ul>	<u>3RT2035</u>
<ul> <li>of the redundant contactor for applications &gt; SIL 1 at inside-delta circuit according to EN 62061</li> </ul>	<u>3RT2035</u>
<ul> <li>of the redundant contactor for applications &gt; SIL 1 according to EN ISO 13849-1</li> </ul>	<u>3RT2036</u>
<ul> <li>of the redundant contactor for applications &gt; SIL 1 at inside-delta circuit according to EN ISO 13849-1</li> </ul>	<u>3RT2036</u>
General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %

storming tormus F0/1	
stopping torque [%]	10 100 % 20 200 % 125 800 %
torque limitation [%]	
current limiting value [%] adjustable	
breakaway voltage [%] adjustable	40 100 //
breakaway time adjustable	0 2 s
number of parameter sets	3
accuracy class according to IEC 61557-12	5 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
_trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
buffering time in the event of power failure	
<ul> <li>for main current circuit</li> </ul>	100 ms
<ul> <li>for control circuit</li> </ul>	100 ms
idle time adjustable	0 255 s
insulation voltage rated value	480 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	1.15
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
<ul> <li>between main and auxiliary circuit</li> </ul>	480 V; does not apply for thermistor connection
shock resistance	15  g / 11  ms, from 6 g / 11 ms with potential contact lifting
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz
recovery time after overload trip adjustable	60 1 800 s
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	11/22/2019
product function	
ramp-up (soft starting)	Yes
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes
	Yes
breakaway pulse	
adjustable current limitation	Yes
• creep speed in both directions of rotation	Yes
• pump ramp down	Yes
• DC braking	Yes
motor heating	Yes
slave pointer function	Yes
trace function	Yes
<ul> <li>intrinsic device protection</li> </ul>	Yes
<ul> <li>motor overload protection</li> </ul>	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick
<ul> <li>inside-delta circuit</li> </ul>	Yes
auto-RESET	Yes
manual RESET	Yes
remote reset	Yes
communication function	Yes
operating measured value display	Yes
event list	Yes
	100

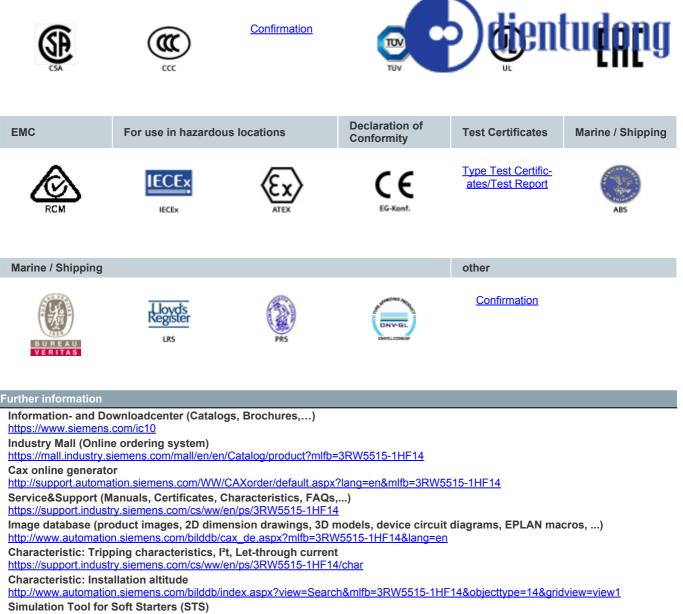
• error logbook	Yes Yes (CD) dientudong
• via software parameterizable	Yes
via software configurable	
screw terminal	Yes
spring-loaded terminal	
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High- Feature communication modules
<ul> <li>firmware update</li> </ul>	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
<ul> <li>voltage ramp</li> </ul>	Yes
torque control	Yes
<ul> <li>combined braking</li> </ul>	Yes
analog output	Yes; 4 20 mA (default) / 0 10 V
programmable control inputs/outputs	Yes
condition monitoring	Yes
automatic parameterisation	Yes
application wizards	Yes
alternative run-down	Yes
emergency operation mode	Yes
reversing operation	Yes
soft starting at heavy starting conditions	Yes
Power Electronics	
operational current	25 A
• at 40 °C rated value	
at 40 °C rated value minimum	5 A
• at 50 °C rated value	22.3 A
at 60 °C rated value	19.6 A
<ul> <li>operational current at inside-delta circuit</li> <li>at 40 °C rated value</li> </ul>	43.3 A
• at 50 °C rated value	43.5 A 39 A
at 60 °C rated value	33.9 A
operating voltage	55.8 A
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	
• at 230 V at 40 °C rated value	5.5 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	11 kW
• at 400 V at 40 °C rated value	11 kW
• at 400 V at inside-delta circuit at 40 °C rated value	18.5 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	
minimum load [%]	10 %; Relative to set le
power loss [W] for rated value of the current at AC	0.14/
• at 40 °C after startup	8 W
• at 50 °C after startup	7 W
• at 60 °C after startup	6 W
power loss [W] at AC at current limitation 350 %	264 W
• at 40 °C during startup	364 W 309 W
• at 50 °C during startup	
at 60 °C during startup  type of the motor protection	262 W Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
type of voltage of the control supply voltage	AC

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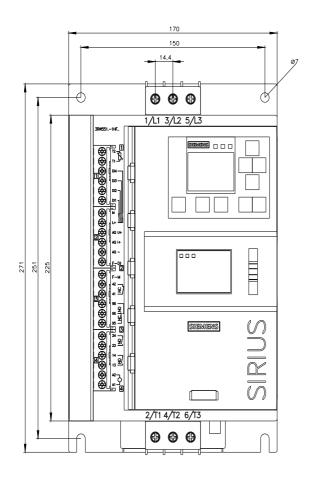
control supply voltage at AC	diantudana
• at 50 Hz	$(10 \dots 250 \vee 110 \dots 250 \vee (10 $
• at 60 Hz	
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control 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	100 mA
holding current in bypass operation rated value	165 mA
locked-rotor current at close of bypass contact maximum	0.2 A
inrush current peak at application of control supply voltage maximum	43 A
duration of inrush current peak at application of control supply voltage	1.6 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	4
• with fail-safe	1
parameterizable	4
<ul> <li>number of digital outputs</li> </ul>	3
<ul> <li>Number of digital outputs with fail-safe</li> </ul>	1
<ul> <li>number of digital outputs parameterizable</li> </ul>	2
<ul> <li>number of digital outputs not parameterizable</li> </ul>	1
digital output version	2 normally-open contacts (NO) / 1 normally-closed contact (NC) / 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
Response times	400
OFF-delay time with safety-related request when switched off via control inputs maximum	100 ms
Installation/ mounting/ dimensions	
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	275 mm
width	170 mm 152 mm
forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
• at the side	5 mm
weight without packaging	2.3 kg
Connections/ Terminals	
type of electrical connection	
• for main current circuit	screw-type terminals
for control circuit	screw-type terminals

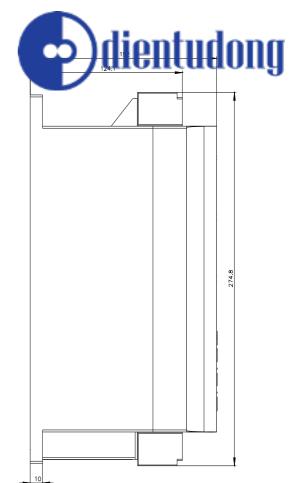
wite length for thermistor connection       90 m         wite conductor cross-section = 1.6 mm? maximum       90 m         vite conductor cross-section = 2.5 mm? naximum       90 m         of crain conducts       2.5 mm? naximum         - meld       - meld         - meld with conductor cross-sections       - meld with cone end processing         - meld with conductor cross-sections       - meld with cone end processing         - of crain circuit field       - with conductor cross-sections         - for main current circuit sold       1% (0.5 2.5 mm?) 2x (0.5 2.5 mm?)         Vire length       - to control circuit sold       1% (0.5 2.5 mm?) 2x (0.5 1.6 mm?)         - of crain circuit sold       1% (20 1/2), 2x (20 1.6 mm?)       2x (10 2.5 mm?)         - of crain circuit sold       1% (20 1/2), 2x (20 1.6 mm?)       2x (10 2.5 mm?)         - of crain circuit sold       1% (20 1/2), 2x (20 1.6 mm?)       1% (20 1/2, 2x (20 1/2), 1/2         - of crain circuit sold       1% (20 1/2), 2x (20 1/2), 1/2       1% (20 1/2), 2x (20 1/2, 1/2         - of row availary and control control circuit sold       1% (20 1/2), 2x (20 1/2), 1/2       1% (20 1/2), 2x (20 1/2), 1/2         - of availary and control control circuit sold       1% (20 1/2), 2x (20 1/2), 1/2       1/2         - of av		
with conductor cross-sections     for main contacts	wire length for thermistor connection	d'antudana
with conductor cross-sections     for main contacts	<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m
with conductor cross-sections     for main contacts	<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul>	150 m
- for main contacts     - esid     - esid     - finely stranded with core and processing     - et AVKG cables for main current circuit sold     2x (10 2.5 mm?), 2x (2.5 10 mm?)     4x (20 12), 2x (20 14)     wire length     - effective cross-sections     effective cross-sective cross-secrosective cross-sective cross-sective cro	<ul> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul>	
<ul> <li>- sold</li> <li>2x (1.02.5 mm<sup>2</sup>), 2x (2.510 mm<sup>2</sup>)</li> <li>2x (1.02.5 mm<sup>2</sup>), 2x (2.56.0 mm<sup>2</sup>)</li> <li>2x (1.02.5 mm<sup>2</sup>), 2x (2.56.0 mm<sup>2</sup>)</li> <li>2x (1.02.5 mm<sup>2</sup>), 2x (2.515 mm<sup>2</sup>)</li> <li>2x (1.0</li></ul>	type of connectable conductor cross-sections	
- Inely stranded with core end processing       2x (1 0 2.5 mm?) 2x (2.5 6.0 mm?)         type of connectable conductor cross-sections       1x (0.5 4.0 mm?) 2x (0.5 2.5 mm?)         i for control circuit level stranded with core end processing       1x (0.5 4.0 mm?) 2x (0.5 1.5 mm?)         i for control circuit solid       1x (0.5 4.0 mm?) 2x (0.5 1.5 mm?)         i for data control circuit solid       1x (0.5 4.0 mm?) 2x (0.5 1.5 mm?)         i for data control circuit solid       1x (0.5 4.0 mm?) 2x (0.5 1.5 mm?)         i for data control circuit solid       1x (0.5 4.0 mm?) 2x (0.5 1.5 mm?)         i for data control circuit solid       1x (0.5 4.0 mm?) 2x (0.5 4.5 mm?)         i for data control circuit solid       1x (0.5 4.0 mm?) 2x (0.5 4.5 mm?)         i for data control circuit solid       1x (2.0 12, 1x (1.1 m)         i for data controls of solid solid socid so	<ul> <li>for main contacts</li> </ul>	
	— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
type of connectable conductor cross-sections         is for control circuit solid         is (0.54.0 mm²), 2x (0.52.5 mm²)           is for control circuit solid         ix (0.54.0 mm²), 2x (0.51.5 mm²)         ix (0.54.0 mm²), 2x (0.51.5 mm²)           is for control circuit solid         ix (0.51.2 sm²), 2x (0.51.5 mm²)         ix (0.51.5 mm²)           is for solid circuit solid         ix (0.51.2 sm²), 2x (0.51.5 mm²)         ix (0.51.5 mm²)           is for solid circuit solid         ix (0.51.2 sm²), 2x (0.51.5 mm²)         ix (0.51.2 sm²), 2x (0.51.5 mm²)           is for solid circuit solid         ix (0.51.2 sm²), 2x (0.51.2 sm²), 2x (0.51.5 mm²)         ix (0.51.2 sm²), 2x (0.51.5 mm²)           is for solid solid control contacts with screw-type terminals         is for solid solid solid control contacts with screw-type terminals         is for solid sol	<ul> <li>— finely stranded with core end processing</li> </ul>	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
in for control circuit solid       ix (0.5 2.5 mm²), 2x (0.5 2.5 mm²)         i at AVG cables for control circuit solid       ix (0.5 2.5 mm²), 2x (0.5 1.5 mm²)         i at AVG cables for control circuit solid       ix (0.5 2.5 mm²), 2x (0.5 1.5 mm²)         i at AvG cables for control circuit solid       ix (2.0 14)         i at AvG galai inputs at CC maximum       800 m         i at the digital inputs at CC maximum       800 m         i of main contacts with screw-type terminals       6 12 N m         i for main contacts with screw-type terminals       6 12 N m         i for main contacts with screw-type terminals       7 10 3 lbfin         i for main contacts with screw-type terminals       7 10 3 lbfin         i for main contacts with screw-type terminals       7 10 3 lbfin         i for main contacts with screw-type terminals       18 22 lbfin         i for main contacts with screw-type terminals       7 10 3 lbfin         i during storage and transport       40	<ul> <li>at AWG cables for main current circuit solid</li> </ul>	2x (16 12), 2x (14 8)
	type of connectable conductor cross-sections	
ei at AVG cables for control circuit sold       1x (20 12), 2x (20 14)         wire length       900 m         • at the digtal inputs at DC maximum       900 m         • at the digtal inputs at DC maximum       1000 m         • for main contacts with screw-type terminals       2 2.5 N m         • for main contacts with screw-type terminals       18 22 lbf in         • for main contacts with screw-type terminals       18 22 lbf in         • for main contacts with screw-type terminals       18	<ul> <li>for control circuit solid</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
		1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
wire length         • between soft stater and motor maximum         800 m           • at the digital inputs at DC maximum         1000 m           • for main contacts with screw-type terminals         2 2.5 N m           • for main contacts with screw-type terminals         2 2.5 N m           • for main contacts with screw-type terminals         18 22 bFin           • for auxiliary and control contacts with screw-type terminals         18 22 bFin           • for auxiliary and control contacts with screw-type terminals         18 22 bFin           • for auxiliary and control contacts with screw-type terminals         18		
• box     600 m       • a the digital inputs at DC maximum     1000 m       • for main contacts with screw-type terminals     2		1x (20 12), 2x (20 14)
	-	
tightening torque <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type terminals</li> <li>instalation at control contacts with screw-type terminals</li> <li>ambient conditions</li> <li>instalation at lotide at height above sea level maximum</li> <li>auxiliary and control contacts with screw-type terminals</li> <li>correct at the screw-type terminals</li> <li>auxiliary and control contacts with screw-type terminals</li> <li>auxiliar streatis and tategory</li> <li>auxili</li></ul>		
• 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           • tightening torque [IDFIn]         • for auxiliary and control contacts with screw-type terminals           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • for auxiliary and control contacts with screw-type terminals         18 22 IbFin           • during storage alcording to IEC 60721         -40 +80 °C           • during transport according to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mish), 3S2 (sand must not get inside the devices), 3M6           • during transport according to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m)           • during transport according to IEC 60721         2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m) <td></td> <td>1 000 m</td>		1 000 m
		0.051
terminals         tightening torque (lbr/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 termperature         • during operation         • during operation         • during operation         • during operation according to IEC 60721         • during storage according to IEC 60721         • during transport according to IEC 60721         • PROFINET standard         • of circuit breaker         • usable for Standard Faults at 460/480 V according to UL         • usable for Standard Faults at 460/480 V at cording to UL         • usable for Standard Faults at 460/480 V at cording to UL         • usable for St		
tightening torque [lbFin]       • for main contacts with screw-type terminals       18 22 lbfin         Ambient conditions       7 10.3 lbfin         installation at height above sea level maximum       2 000 m; Derating as of 1000 m, see catalog         ambient temperature       • during operation         • during storage and transport       2 000 m; Derating as of 1000 m, see catalog         • during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during operation according to IEC 60721       3K6 (no loc formation, only occasional condensation), 3C3 (no salt miss), 3S2 (sand must not get into the devices), 3M6         • during transport according to IEC 60721       3K6 (no loc formation, only occasional condensation), 3C3 (no salt miss), 3S2 (sand must not get instine devices), 3M6         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport according to UL       • PROFINET standard       Yes         • PROFINET standard       Yes         • PROFINET standard       Yes         • of cincuit breaker       Yes	5	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         2 000 m; Derating as of 1000 m, see catalog           Installation altitude at height above sea level maximum         2 000 m; Derating as of 1000 m, see catalog           ambient temperature         - 25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during storage and transport         -40 +80 °C           • during storage according to IEC 60721         3K6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6           • during transport according to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • during transport according to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)           • Communication module is supported         Yes           • PROFINET standard         Yes           • PROFINET standard         Yes           • Modbus RTU         Yes           • Of circuit breaker         Yes           - usable for Standard Faults at 460/480 V according to UL         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA           Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80		
		18 22 lbf.in
Ambient conditions         Installation at litude at height above sea level maximum         ambient temperature         • during operation         • during operation         • during storage and transport         • during storage and transport         • during storage and transport         • during operation according to IEC 60721         • during storage according to IEC 60721         • during transport according to IEC 60721         • BMC FINET Nigh-feature         • PROFINET standard         • PROFINET standard         • PROFINET standard         • Or 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-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 Standard Faults at 575/600 V according to UL         - usable for High		
Ambient conditions         Installation altitude at height above sea level maximum         ambient temperature         • during operation         • during storage and transport         • during operation according to IEC 60721         • during storage according to IEC 60721         • during transport according to IEC 60721         • DefNetT standard         • PROFINET standard         • PROFINET standard         • PROFINET standard         • PROFINET standard         • Ves         • PROFINET standard Faults at 460/480 V according to UL         - usable for High Faults at 460/480 V according to UL         - usable for High Faults at 460/480 V at inside-delta circuit according to UL         - usable for 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 575/600 V at in	5	
Installation altitude at height above sea level maximum       2 000 m; Derating as of 1000 m, see catalog         ambient temperature       - during operation         - during storage and transport       - during storage and transport         - during storage and transport       - during storage according to IEC 60721         - during storage according to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 352 (sand must not get inside the devices), 3M6         - during transport according to IEC 60721       3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         - during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         - EMC emitted interference       acc. to IEC 60947-4-2: Class A, Class B on request         Communication module is supported       Yes         • PROFINET high-feature       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults at 460/480 V at inside-delta circuit according to U.       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         - usable for Standard Faults at	Ambient conditions	
amblent temperature       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °C         • during operation according 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 according to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get linkic the devices), 1M4         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • Communication module is supported       -         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • PROFIBUS       Yes         • UL/CSA ratings       -         manufacturer's article number       -         • of circuit breaker       -         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         • usable for Hig		2 000 m <sup>-</sup> Derating as of 1000 m, see catalog
<ul> <li>during operation</li> <li>-25 +60 °C; Please observe derating at temperatures of 40 °C or above</li> <li>-40 +80 °C</li> <li>environmental category</li> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2; Class A, Class B on request</li> <li>Communication Protocol</li> <li>Communication Protocol</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>Yes</li> <li>Yes</li> <li>PROFINET standard</li> <li>Yes</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Stemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A</li></ul>		
• during storage and transport       -40 +80 °C         • during storage and transport       -40 +80 °C         • during operation according 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 according to IEC 60721       1K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A, Class B on request         Communication Protocol       Ves         • PROFINET high-feature       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • PROFIBUS       Yes         • DE/CSA ratings       Yes         manufacturer's article number       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         • of circuit breaker       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 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. 80 A; lq = 5 kA         • usable for Standard Faults at 575/600 V according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         • usable for Standard Faults at 575/600 V at inside-delta circuit according t		-25 ±60 °C. Please observe derating at temperatures of 40 °C or
environmental category         • during operation according to IEC 60721         • during storage according to IEC 60721         • during transport according to IEC 60721         • PROFINET high-feature         • PROFINET high-feature         • PROFINET high-feature         • PROFINET standard         • PROFINET standard Faults at 460/480 V according to UL         • usable for Standard Faults at 460/480 V according to UL         • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         • usable for High Faults at 460/480 V at inside-delta circuit according to UL         • usable for High Faults at 575/600 V according to UL         • usable for High Faults at 575/600 V at according to UL         • u		
<ul> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>eduring transport according to IEC 60721</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947.4-2: Class A, Class B on request</li> <li>Communication module is supported</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> <li>PROFINET standard faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-deta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-deta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-deta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-deta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V a according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-deta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-deta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-deta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-deta circuit according to UL</li></ul>	<ul> <li>during storage and transport</li> </ul>	-40 +80 °C
• during storage according to IEC 60721       mist), 3S2 (sand must not get into the devices), 3M6         • during transport according to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A, Class B on request         Communication module is supported       Yes         • PROFINET high-feature       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus RTU       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. 80 A; Iq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 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. 80 A; Iq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA         - usable for High Faults at 575/600 V a according to UL.       Siemens type: 3RV2742, max. 70 A	environmental category	
• during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A, Class B on request         Communication module is supported       • PROFINET standard         • PROFINET standard       Yes         • PROFINET high-feature       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       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 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. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 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. 80 A; lq = 5 kA	<ul> <li>during operation according to IEC 60721</li> </ul>	
EMC emitted interference       acc. to IEC 60947-4-2; Class A, Class B on request         Communication Protocol         communication module is supported       PROFINET standard         • PROFINET standard       Yes         • PROFINET high-feature       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       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         u usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA	<ul> <li>during storage according to IEC 60721</li> </ul>	not get inside the devices), 1M4
Communication Protocol         communication module is supported <ul> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>Profit</li> <li>Profix</li> </ul> <ul> <li>Profix</li> <li>Profix</li></ul>	<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
communication module is supported <ul> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>PROFINET high-feature</li> <li>PROFINET high-feature</li> <li>PROFINET high-feature</li> <li>PROFINET high-feature</li> <li>Yes</li> </ul> <li>Modbus RTU</li> <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 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 Standard 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 Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>— usable for S</li>	EMC emitted interference	acc. to IEC 60947-4-2: Class A, Class B on request
<ul> <li>PROFINET standard Yes</li> <li>PROFINET high-feature Yes</li> <li>EtherNet/IP Yes</li> <li>Modbus RTU Yes</li> <li>Modbus RTU Yes</li> <li>Modbus TCP Yes</li> <li>PROFIBUS Yes</li> <li>PROFIBUS Yes</li> <li>UL/CSA ratings</li> <li>UL/CSA ratings</li> <li>UL/CSA rating S</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> </ul>	Communication/ Protocol	
<ul> <li>PROFINET high-feature</li> <li>Yes</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>UL/CSA ratings</li> <li>UL/CSA ratings</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> <li>Siemens type: 3VA51, max. 60 A; lq max = 65 kA</li> </ul>	communication module is supported	
<ul> <li>EtherNet/IP</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> <b>UL/CSA ratings UL/CSA ratings UL/CSA ratings Silemens type:</b> 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA according to 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-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	<ul> <li>PROFINET standard</li> </ul>	Yes
<ul> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>Yes</li> <li>Ves</li> </ul> UL/CSA ratings UL/CSA ratings Simmufacturer'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 at inside-delta circuit 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-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 Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul></li></ul>	<ul> <li>PROFINET high-feature</li> </ul>	Yes
Modbus TCP     PROFIBUS     Yes     Yes     Ves     Ves     UL/CSA ratings     UL/CSA ratings     Interfacturer'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 High Faults at 460/480 V at         inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at         inside-delta circuit according to UL         - usable for High Faults at 460/480 V at         inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at         inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at         inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at         inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at         inside-delta circuit according to UL         - usable for Standard Faults at 575/600 V         according to UL         - usable for High Faults at 575/600 V         according to UL         - usable for High Faults at 575/600 V         according to UL         - usable for Standard Faults at 575/600 V         according to UL         - usable for Standard Faults at 575/600 V         according to UL         - usable for High Faults at 575/600 V         according to UL         - usable for Standard Faults at 575/600 V at inside-         delta circuit according to UL         - usable for Standard Faults at 575/600 V at inside-         delta circuit according to UL         - usable for Standard Faults at 575/600 V at         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq	EtherNet/IP	Yes
• 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. 80 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. 80 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. 80 A; Iq = 5 kA         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 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. 80 A; Iq = 5 kA         - usable for High Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA         - usable for High Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 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. 80 A; Iq = 5 kA         - usable for Standard Faults at 575/600 V at       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA	Modbus RTU	Yes
UL/CSA ratings         manufacturer's article number         • of circuit breaker       - usable for Standard Faults at 460/480 V       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         - 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. 80 A; lq = 5 kA         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 60 A; lq max = 65 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         - usable for High Faults at 575/600 V at cinside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         - usable for High Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA         - usable for Standard Faults at 575/600 V at       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA	Modbus TCP	Yes
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 High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA	PROFIBUS	Yes
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 High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for High Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA         Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA	UL/CSA ratings	
<ul> <li></li></ul>		
according to ULSiemens 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 ULSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA- usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 60 A; lq max = 65 kA- usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 60 A; lq max = 65 kA- usable for Standard Faults at 575/600 V according to ULSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA- usable for High Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA- usable for Standard Faults at 575/600 V atSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA- usable for Standard Faults at 575/600 V atSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA	<ul> <li>of circuit breaker</li> </ul>	
		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA
<ul> <li>inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</li> </ul>		
delta circuit according to UL       — usable for Standard Faults at 575/600 V       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA         — usable for High Faults at 575/600 V at inside- delta circuit according to UL       Siemens type: 3VA51, max. 60 A; Iq max = 65 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. 80 A; Iq = 5 kA         — usable for Standard Faults at 575/600 V at       Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA
according to ULSiemens type: 3VA51, max. 60 A; lq max = 65 kA— usable for High Faults at 575/600 V at inside- delta circuit according to ULSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA— usable for Standard Faults at 575/600 V atSiemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA		Siemens type: 3VA51, max. 60 A; lq max = 65 kA
delta circuit according to UL — usable for Standard Faults at 575/600 V at Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA
		Siemens type: 3VA51, max. 60 A; lq max = 65 kA

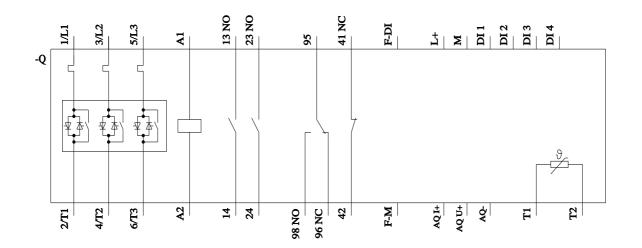
<ul> <li>of the fuse</li> </ul>	d'antudana
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / nax. 10 A GIANUUODO
<ul> <li>— usable for High Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, ma. A; /4 = 100 kA
<ul> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 100 A; Iq = 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. 100 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	5 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	7.5 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	15 hp
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	10 hp
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	10 hp
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	25 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
safety device type according to IEC 61508-2	Туре В
B10d value	1 588 000
Safety Integrity Level (SIL)	
<ul> <li>according to IEC 61508</li> </ul>	SIL1
SIL Claim Limit (subsystem) according to EN 62061	SIL 1
performance level (PL) according to EN ISO 13849-1	C
category according to EN ISO 13849-1	2
stop category according to EN 60204-1	0
Safe failure fraction (SFF)	60 %
average diagnostic coverage level (DCavg)	90 %
diagnostics test interval by internal test function maximum	1 000 s
PFHD with high demand rate according to EN 62061	1E-6 1/h
PFDavg with low demand rate according to IEC 61508	0.09
hardware fault tolerance according to IEC 61508	0
T1 value for proof test interval or service life according to IEC 61508	20 у
safe state	Open load circuit
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
electromagnetic compatibility	acc. to IEC 60947-4-2
ATEX	
certificate of suitability	
• ATEX	Yes
• IECEx	Yes
according to ATEX directive 2014/34/EU	BVS 18 ATEX F 003 X
type of protection according to ATEX directive 2014/34/EU	II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]
hardware fault tolerance according to IEC 61508 relating to ATEX	0
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.008
PFHD with high demand rate according to EN 62061 relating to ATEX	5E-7 1/h
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 s
Certificates/ approvals	
General Product Approval	



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