## SIEMENS

## Data sheet

## 3RW5245-2AC05



SIRIUS soft starter 200-600 V 315 A, 24 V AC/DC spring-type terminals Analog output

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS00</u>
<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 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>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	2x3NA3365-6; 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>	<u>3NE1334-2; 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>3NE3336; Type of coordination 2, Iq = 65 kA</u>

## General technical data

General technical data			
starting voltage [%]	30 100 %		
stopping voltage [%]	50 %; non-adjustable		
start-up ramp time of soft starter	0 20 s		
current limiting value [%] adjustable	130 700 %		
certificate of suitability			
CE marking	Yes		
UL approval	Yes		
CSA approval	Yes		
product component			
HMI-High Feature	No		
<ul> <li>is supported HMI-Standard</li> </ul>	Yes		
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes		
product feature integrated bypass contact system	Yes		
number of controlled phases	3		
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2		
buffering time in the event of power failure			
for main current circuit	100 ms		
<ul> <li>for control circuit</li> </ul>	100 ms		

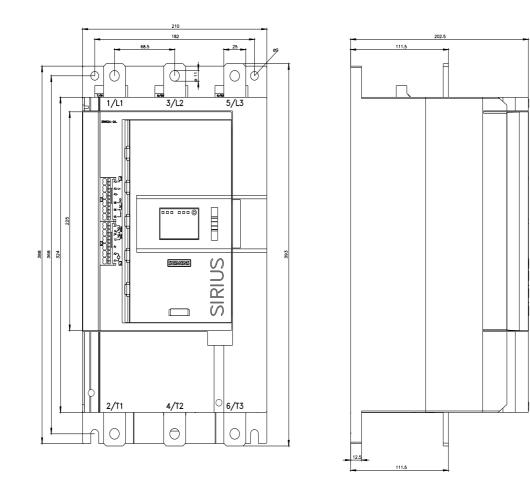
inculation voltage rated value	600 V		
insulation voltage rated value	600 V 2. coo to IEC 60047.4.2		
	3, acc. to IEC 60947-4-2		
	6 kV		
	1 600 V		
	1		
5 5 5	6 kV		
maximum permissible voltage for protective separation			
	600 V		
	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting		
	15 mm to 6 Hz; 2g to 500 Hz		
5, 5	AC 53a		
	Q		
	02/15/2018		
product function			
	Yes		
- F ( F)	Yes		
	Yes		
··· <b>j</b> ·····	Yes		
L. L. L.	Yes		
· · · · · · · · · · · · · · · · · · ·	Yes		
	Yes; Electronic motor overload protection		
· · · · · · · · · · · · · · · · · · ·	No		
	Yes		
auto-RESET	Yes		
	Yes		
remote reset	Yes; By turning off the control supply voltage		
	Yes		
	Yes; Only in conjunction with special accessories		
	Yes; Only in conjunction with special accessories		
	No		
<b>3</b>	Yes		
	Yes; in connection with the PROFINET Standard communication module		
	Yes		
	Yes		
	No		
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)		
Power Electronics			
operational current			
	315 A		
	279 A		
	255 A		
operational current at inside-delta circuit			
• at 40 °C rated value	546 A		
	483 A		
	442 A		
operating voltage			
	200 600 V		
<ul> <li>at inside-delta circuit rated value</li> </ul>	200 600 V		
	-15 %		
relative positive tolerance of the operating voltage	-15 % 10 %		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at	-15 %		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit	-15 % 10 %		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at	-15 % 10 % -15 %		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors	-15 % 10 % -15 %		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors	-15 % 10 % 10 %		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value	-15 % 10 % -15 % 10 % 90 kW		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value	-15 % 10 % -15 % 10 % 90 kW 160 kW		
relative positive tolerance of the operating voltage         relative negative tolerance of the operating voltage at inside-delta circuit         relative positive tolerance of the operating voltage at inside-delta circuit         operating power for 3-phase motors         • at 230 V at 40 °C rated value         • at 400 V at 40 °C rated value         • at 400 V at inside-delta circuit at 40 °C rated value         • at 400 V at inside-delta circuit at 40 °C rated value	-15 % 10 % -15 % 10 % 90 kW 160 kW		

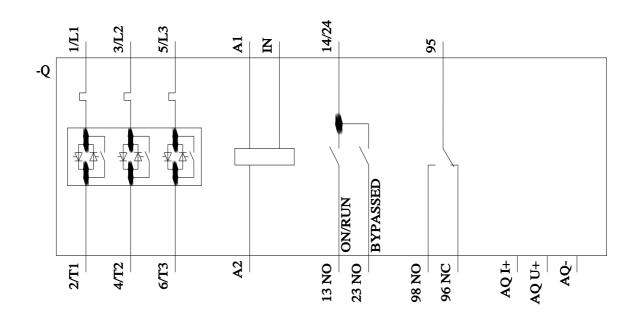
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	405 A
at rotary coding switch on switch position 1	135 A
at rotary coding switch on switch position 2	147 A
at rotary coding switch on switch position 3	159 A
• at rotary coding switch on switch position 4	171 A
at rotary coding switch on switch position 5	183 A
• at rotary coding switch on switch position 6	195 A
at rotary coding switch on switch position 7	207 A
at rotary coding switch on switch position 8	219 A
at rotary coding switch on switch position 9	231 A
at rotary coding switch on switch position 10	243 A
at rotary coding switch on switch position 11	255 A
at rotary coding switch on switch position 12	267 A
at rotary coding switch on switch position 13	279 A
at rotary coding switch on switch position 14	291 A
at rotary coding switch on switch position 15	303 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	315 A
• minimum	135 A
<ul> <li>• for inside-delta circuit at rotary coding switch on switch</li> </ul>	234 A
<ul> <li>position 1</li> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	255 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	275 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	296 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	317 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	338 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	359 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	379 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 switch</li> </ul>	400 A 421 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	421A 442 A
<ul><li>position 11</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	462 A
<ul><li>position 12</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	483 A
<ul> <li>position 13</li> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	504 A
<ul> <li>position 14</li> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	525 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	546 A
• at inside-delta circuit minimum	234 A
ninimum load [%]	15 %; Relative to smallest settable le
oower loss [W] for rated value of the current at AC	
• at 40 °C after startup	107 W
• at 50 °C after startup	96 W
• at 60 °C after startup	89 W
oower loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	5 350 W
• at 50 °C during startup	4 471 W
<ul> <li>at 60 °C during startup</li> </ul>	3 934 W

Control circuit/ Control				
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC				
• at 50 Hz rated value	24 V			
at 60 Hz rated value	24 V			
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %			
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %			
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %			
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %			
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 voltage				
at DC rated value	24 V			
relative negative tolerance of the control supply voltage at DC	-20 %			
relative positive tolerance of the control supply voltage at DC	20 %			
control supply current in standby mode rated value	160 mA			
holding current in bypass operation rated value	470 mA			
inrush current by closing the bypass contacts maximum	7.6 A			
inrush current peak at application of control supply voltage maximum	3.3 A			
duration of inrush current peak at application of control supply voltage	12.1 ms			
design of the overvoltage protection	Varistor			
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply			
Inputs/ Outputs				
number of digital inputs	1			
number of digital outputs	3			
not parameterizable	2			
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)			
number of analog outputs switching capacity current of the relay outputs				
	2.4			
• at AC-15 at 250 V rated value	3 A			
• at DC-13 at 24 V rated value	1 A			
Installation/ mounting/ dimensions				
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
fastening method	screw fixing			
height	393 mm			
width	210 mm			
depth	203 mm			
required spacing with side-by-side mounting				
<ul> <li>forwards</li> </ul>	10 mm			
	0 mm			
<ul> <li>backwards</li> </ul>	0 mm			
backwards     upwards	100 mm			
• upwards	100 mm			
<ul><li>upwards</li><li>downwards</li></ul>	100 mm 75 mm			
<ul><li>upwards</li><li>downwards</li><li>at the side</li></ul>	100 mm 75 mm 5 mm			
upwards     downwards     at the side  weight without packaging  Connections/ Terminals	100 mm 75 mm 5 mm			
upwards     downwards     at the side  weight without packaging  Connections/ Terminals  type of electrical connection	100 mm 75 mm 5 mm 9.9 kg			
upwards     downwards     at the side  weight without packaging  Connections/ Terminals  type of electrical connection      for main current circuit	100 mm 75 mm 5 mm 9.9 kg busbar connection			
upwards     downwards     at the side  weight without packaging  Connections/ Terminals  type of electrical connection      for main current circuit      for control circuit	100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals			
upwards     downwards     at the side  weight without packaging  Connections/ Terminals  type of electrical connection      for main current circuit	100 mm 75 mm 5 mm 9.9 kg busbar connection			

type of connectable conductor cross-sections         24.025.15 mm²)           of conditional solid         24.025.15 mm²)           view length         800 n           of conditional solid         24.025.15 mm²)           view length         800 n           of conditional solid         24.025.15 mm²)           view length         800 n           of conditional solid         24.025.15 mm²)           view length         100 m           of conditional solid         24.025.15 mm²)           view length         100 m           of conditional solid	<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (50 240 mm²)			
arr control circuit solid     24 (0.25 15 mm)       i for control circuit heys stranded with Core and processing     24 (0.25 15 mm)       i for AVVG cables for control circuit solid     24 (0.25 15 mm)       i for AVVG cables for control circuit solid     24 (0.25 15 mm)       i for AVVG cables for control circuit finaly stranded with     800 m       i for callid prob at AC maximum     800 m       i for callid prob at AC maximum     100 m       i for callid prob at AC maximum     100 m       i for callid prob at AC maximum     100 m       i for callid prob at AC maximum     100 m       i for callid prob at AC maximum     100 m       i for callid prob at AC maximum     100 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for callid prob at AC maximum     102 m       i for c	<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	2x (70 240 mm²)			
<ul> <li>er vanid actual insy stranded with over and processing         <ul> <li>er vanid actuals be to control circuit most stranded with             ver (24 - 16)</li>             ver (24 - 16)</ul></li>             ver (24 - 16)             ver (24 - 16)</ul>	type of connectable conductor cross-sections				
	<ul> <li>for control circuit solid</li> </ul>	2x (0.25 1.5 mm²)			
• icr AVNC cables for control circuit finally stranded with core and processing.       2k (24, 10)         wite length       • of control circuit with a circuit of circuit bases with a circuit of circuit a circuit a circuit ci	<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)			
core and processing         - index (index (ind	<ul> <li>for AWG cables for control circuit solid</li> </ul>	2x (24 16)			
wine regin         Boo m           • bedreen soft statter and moor maximum         100 m           • at the digital inputs at AC maximum         100 m           • of the digital inputs at AC maximum         100 m           • of main contacts with screw-type terminals         14 24 N m           • for main contacts with screw-type terminals         124 210 lbfin           • for main contacts with screw-type terminals         124 210 lbfin           • for main contacts with screw-type terminals         124 210 lbfin           • for main contacts with screw-type terminals         124 210 lbfin           • for main contacts with screw-type terminals         124 210 lbfin           • for main contacts with screw-type terminals         124 210 lbfin           • for main contacts with screw-type terminals         124 210 lbfin           • for main contacts with screw-type terminals         124 210 lbfin           • for contains contacts with screw-type         • for contains contacts with screw-type           • during speaton         60 °C ; Please observe derating at temperatures of 40 °C or above           • during speaton according to IEC 60721         256 60 °C ; Please observe derating at temperatures of 40 °C or above           • during storage and contact with screw-type         with one devices, 346           • during temperatures of 40 °C contact with ot edvi		2x (24 16)			
enswers with stater and motor maximum     ent the digital inputs at AC maximum     1000 m     ent the digital inputs at AC maximum     1000 m     for main contacts with screw-type terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     ef or auxiliary and control contacts with screw-type     terminals     eff or auxiliary and control contacts with screw-type     terminals     eff or auxiliary and control contacts with screw-type     eff or auxiliary and control contacts with screw-type     eff auxiliary and auxiliary and the screw type     eff auxiliary and control contacts with screw-type     eff auxiliary and auxiliary at auxiliary a	· · · · · · · · · · · · · · · · · · ·				
• at the digital inputs at AC maximum     100 m       • at the digital inputs at AC maximum     1000 m       • for main contacts with screw-kype terminals     0.8 12 N m       • for main contacts with screw-kype terminals     0.8 12 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for main contacts with screw-kype terminals     7.2 N m       • for diring storage and contacts with screw-kype terminals     7.2 N m       • during storage andordin	-	222			
tightening torque       • for main contacts with screw-type terminals       1424 N m         • for main contacts with screw-type terminals       0812 N m         • for main contacts with screw-type terminals       1424 N m         • for main contacts with screw-type terminals       710.3 lbt/in         • for main contacts with screw-type terminals       710.3 lbt/in         • for main contacts with screw-type terminals       710.3 lbt/in         • for main contacts with screw-type terminals       5.000 m; Derating as of 1000 m; see catalog         ambient conditions       5.000 m; Derating as of 1000 m; see catalog         ambient conditions					
• for main contacts with screw-type terminals       14 24 Nm         • for main contacts with screw-type terminals       124 210 IDF in         • for main contacts with screw-type terminals       124 210 IDF in         • for main contacts with screw-type terminals       124 210 IDF in         • for main contacts with screw-type terminals       7 103 IDF in         • for main contacts with screw-type terminals       5 000 m. Denaing as of 1000 m, see catalog <b>ambient temperature</b> • 60 ming storage and transport       - 40 + 60 °C. Please observe denating at temperatures of 40 °C or above         • during storage and transport       - 40 + 60 °C. Please observe denating at temperatures of 40 °C or above         • during storage according to IEC 60721       3KG (no loe formation, only occasional condensation), 3C3 (no salt mist), 3S2 (stand must not get link the devices), 3M6         • during storage according to IEC 60721       2KG (no) costion and condensation), 1C2 (no salt mist), 3S2 (stand must not get link the devices), 3M6         • during transport according to IEC 60721       2KG (no) costion and condensation), 1C2 (no salt mist), 3S2 (stand must not get link the forence         • during storage according to IEC 60721       2KG (condocasional condensation), 1C2 (no salt mist), 3S2 (stand must not get link the forence)         • during storage according to IEC 60721       2KG (no) costion and condensation), 1C2 (no salt mist), 3S2 (stand must not get link the forence)         • f		1 000 m			
• of a audilary and anothol contacts with sorew-type         0.812 N m           tightening torque (bf-in)         124 210 bf-in           • of main contacts with sorew-type terminals         124 210 bf-in           • of main contacts with sorew-type         7 10.3 bf-in           Installation altibude at height above sea level maximum         5.000 m. Deraing as of 1000 m, see catalog           ambient conditions         5.000 m. Deraing as of 1000 m, see catalog           ambient conditional transport         -40 - 400 °C           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during operation according to IEC 60721         3k6 (no lie formation, only occasional condensation), 3C3 (no salt mist), 352           • during transport according to IEC 60721         2k2, 201, 281, 2M2 (max, fall height 0.3 m)           • during transport according to IEC 60721         2k2, 201, 281, 2M2 (max, fall height 0.3 m)           • during transport according to IEC 60721         2k2, 201, 281, 2M2 (max, fall height 0.3 m)           • Derawlineation         yes           • Derawlineation         Siemens type: 3VA53, max, 400 A or 3VA64, max, 600 A; lq = 18 kA		44 - 2424			
terminals         ************************************					
tightening torque (lbFin) <ul> <li>of main contradits with screw-type terminals</li> <li>of main contradits with screw-type terminals</li> <li>of main contradits with screw-type terminals</li> <li>for main correct maximum</li> <li>for main correct maximum</li> <li>for main correct maximum</li> <li>for maximum contradits corect maximum</li> <li>for main c</li></ul>	, , , , , , , , , , , , , , , , , , , ,	0.8 1.2 N·m			
for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type     terminals     for auxiliary and control contacts with screw-type     terminals     for auxiliary and control contacts with screw-type     for auxiliary and control control auxiliary and au					
• for susiliary and control contacts with screw-type torminals     7 10.3 lbf.in       Ambient conditions     5 000 m; Derating as of 1000 m, see catalog       ambient temperature     6 during operation       • during storage and transport     -40 480 °C       • during storage according to IEC 60721     3K6 (no los formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices, 1M4       • during storage according to IEC 60721     3K6 (no los formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices, 1M4       • during storage according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)       • Gommunication module is supported     Yes       • PROFINET standard     Yes       • Durble for Standard Faults at 460/480 V according to UL     Yes       • usable for Standard Faults at 460/480 V according to UL     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       • usable for Standard Faults at 460/480 V a cincerding to UL     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       • usable for Standard Faults at 75/600 V according to UL     Siemens type: 3VA54, m		124 210 lbf·in			
Imminis       Anbient conditions         Installation allitude at height above sea level maximum       5 000 m; Derating as of 1000 m; see catalog         ambient temperature       -40, -90 °C.         - during operation       -25, -460 °C; Please observe derating at temperatures of 40 °C or above         - during operation according to IEC 60721       Sk6 (no lice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M8         - during operation according to IEC 60721       Sk6 (no lice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M8         - during transport according to IEC 60721       ZK2, 2C1, 2S1, ZM2 (max, fail height 0.3 m)         EMC emitted interference       acc. to IEC 609474-2; Class A         Communication module is supported       Yes         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Duble for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max, 400 A or 3VA54, max, 600 A; Iq = 18 kA         • 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: 3VA53, max, 400 A or 3VA54, max, 600 A; Iq = 18 kA         • ouble for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max, 400 A or 3VA54, max, 600 A; Iq = 18 kA					
Installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m; see catalog         ambient temperature       - 4.00 r; Please observe derating at temperatures of 40 °C or above         - during operation					
ambient temporature       -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       SK6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get link the devices), 3M8         • during storage according to IEC 60721       SK6 (nol lee formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get link the devices), 1M4         • during storage according to IEC 60721       ZK2, 2C1, 2S1, 2M2 (max, fail height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2; Class A         Communication module is supported       Yes         • PROFINET standard       Yes         • Modous RTU       Yes         • Modous RTU       Yes         • DefFINS       Yes         U/CSA ratings       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 KA         fol U	Ambient conditions				
<ul> <li>during operation</li> <li>-25 +60 °C, Please observe derating at temperatures of 40 °C or above</li> <li>during storage and transport</li> <li>-40 +80 °C</li> <li>environmental category</li> <li>during storage according to IEC 60721</li> <li>(a during storage according to IEC 60721</li> <li>(a during transport according to IEC 60721</li> <li>(b during transport according to IEC 60721</li> <li>(c and must not get Into the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and must not get In the devices), 3M6</li> <li>(c and be for High Faults at 460/480 V according to UL</li> <li< td=""><td>installation altitude at height above sea level maximum</td><td>5 000 m; Derating as of 1000 m, see catalog</td></li<></ul>	installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog			
• during storage and transport     -40 +80 °C       environmental category     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     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)       • Module insupport according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)       • Communication module is supported     9 ROFINET standard       • PROFINET standard     Yes       • Modobus RTU     Yes       • Modobus TCP     Yes       • Of circuit breaker     isemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       ULCSA ratings     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       • usable for Standard Faults at 460/480 V according to UL     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       • usable for Standard Faults at 460/480 V at inside-detta circuit according to UL     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA       • usable for Standard Faults at 575/600 V according to UL     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       • usable for Standard Faults at 575/600 V according to UL     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       • usable for Standard Faults at 575/600 V according to UL     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA       • usa	ambient temperature				
environmental actegory         environmental actegory         eduring operation according to IEC 60721         std (no) ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         eduring transport according to IEC 60721         eduring transport acc	during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above			
during operation according to IEC 60721     Stef (no ice formation: only occasional condensation), 3C3 (no salt mist), 3S2     (and must not get into the devices), 3M6     (for (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get     indice the devices), 1M4     eturing 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     Communication module is supported     PROFINET standard     Yes     Nodobus RTU     Yes     Nodobus TCP     Yes     Ves	<ul> <li>during storage and transport</li> </ul>	-40 +80 °C			
<ul> <li>eduring storage according to IEC 60721</li> <li>eduring storage according to IEC 60721</li> <li>EX2 excl a storage according to IEC 60721</li> <li>Ext entities according to IEC 60721</li> <li>Ext entities at 400480</li> <li>Ext entities at 400480 V according to IL</li> <li>— usable for Flagh Faults at 460/480 V according to IL</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 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 High Faults up to 575/600 V at circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High</li></ul>	environmental category				
during storage according to IEC 60721     146 (only occessional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4     eduring 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     Communication module is supported     PROFINET standard     Yes     PROFINET standard     Yes     EtherNet/IP     Yes     Modous TCP     Yes     Nodous TCP     Yes     VICSA ratings     UICSA ratings     UICSA ratings     UICSA ratings     UICSA ratings     UICSA ratings     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA     Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA     Siemens type: 3VA54, max. 1000 A; Iq = 10 kA     UL     _usable for High Faults at inside-delta circuit upt     S75600 V according to UL     _usable for Standard Faults at i	<ul> <li>during operation according to IEC 60721</li> </ul>				
inside the devices), 1144 inside the devices), 1144 2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) 2K2, 2M3 (max. fail height 0.3 m, 400 A or 3VA54, max. 600 A; lq = 18 kA 2K2, 2C1, 2S1, 2M3 (max. fail height 0.3 m) 2K2, 2M3 (max. fail height 0.3 m, 400 A; lq = 18 kA 2K2, 2C1, 2S1, 2M3 (max. fail height 0.3 m) 2K2, 2M3 (max. fail height 0.3 m, 400 A; lq = 18 kA 2K2, 2M3 (max. fail height 0.3 m, 400 A; lq = 100 kA 2K2		(sand must not get into the devices), 3M6			
• during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)         EWC emitted interference       acc. to IEC 60947.4-2: Class A         Communication Module is supported       • PROFINET standard         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modubus RTU       Yes         • Modubus TCP       Yes         • ROFIBUS       Yes <b>UL/CSA ratings</b> Yes         UL/CSA rating s       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         to UL       - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         • of the fuse       - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         • usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         • of the fuse       - usable for Standard Faults up to 575/600	<ul> <li>during storage according to IEC 60721</li> </ul>				
EMC emitted interference       acc. to IEC 60947.4-2: Class A         Communication/Protocol         communication/Protocol         communication/Protocol         etherNet/IP       Yes         • RROP/INET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • ROPC/INET standard       Yes         • Modbus RTU       Yes         • ROPC/INET standard       Yes         • Of circuit breaker       Yes         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults at 460/480 V at inside-delta dircuit according to UL       Siemens type: 3VA54, max. 600 A; lq max = 65 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults up to 575/600 V       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults up to 575/600 V       Siemens type: 3VA54, max. 1000 A; lq = 18 kA         - usable for Standard Faults up to 575/600 V       Type: Class	a during transport according to IEC 60701				
Communication module is supported         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UCSA ratings       Yes         manufacturer's article number       - usable for Standard Faults at 460/480 V according to UL         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults up to 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults up to 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         - usable for Standard Faults up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 18 kA         - usable for Standard Faults up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 18 kA         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL					
communication module is supported            • PROFINET standard         • PROFINET standard         • PROFINET standard         • Yes         • Modbus RTU         • Yes         • Modbus RTU         • Modbus TCP         • PROFIBUS         • Yes         • PROFIBUS         • Yes         • Of circuit breaker         • of circuit breaker         • usable for Standard Faults at 460/480 V according to UL         • usable for Standard Faults at 460/480 V according to UL         • usable for Standard Faults at 460/480 V at 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 Standard 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 Standard 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 Standard Faults at 575/600 V according to         UL         • usable for Standard Faults at inside-delta circuit up to         575/600 V according to UL         • usable for Standard Faults at inside-delta circuit up to         575/600 V according to UL         • usable for Standard Faults at inside-delta circuit up to         575/600 V according to UL         • usable for Standard Faults at inside-delta circuit up to         575/600 V according to UL         • usable for High Faults at inside-delta circuit up to         575/600 V according to UL         • usable f		acc. 10 IEC 00547-4-2. Class A			
• PROFINET standardYes• EtherNet//PYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYes• PROFIBUSYes <b>ULCSA ratingsULCSA ratings</b> • of circuit breakerSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA• of circuit breakerSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA- usable for High Faults at 460/480 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA- usable for High Faults at 460/480 V according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA- usable for High Faults at 460/480 V according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA- usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA- usable for High Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA• of the fuseSiemens type: 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA• of the fuseSiemens type: 3VA54, max. 1000 A; lq = 18 kA• usable for High Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 18 kA• usable for Standard Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA- usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 10 kA- usable for High Faults at inside-delta circuit up to 575/600 V accordin					
EtherNet/IPYes• Modbus RTUYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYesUtCSA ratiosTemanufacturer's article number• of circuit breakerSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA• of circuit breakerSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA- usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA- usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA- usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA• of the fuse usable for Standard Faults up to 575/600 V at inside-delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA• of the fuse usable for High Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 10 kA- usable for Standard Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 18 kA• of the fuse usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max		Vee			
• Modbus RTUYes• Modbus TCPYes• PROFIBUSYesULCSA ratingsYesULCSA ratingsSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA• of circuit breakerSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA- usable for High Faults at 460/480 V at inside- delta circuit according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA- usable for Standard Faults at 460/480 V at inside- delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults up to 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA- usable for Standard Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 18 kA- usable for Standard Faults up to 575/600 V uccording to ULType: Class J / L, max. 1000 A; lq = 10 kA- usable for Standard Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 18 kA- usable for High Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 10 kA- usable for High Faults at inside-delta circuit up to 575/600 V according to UL <td></td> <td></td>					
• Modbus TCP       Yes         • PROFIBUS       Yes         UI/CSA ratings         manufacturer's article number         • of circuit breaker       - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         · usable for High Faults at 460/480 V according to UL       Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA         · usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         · usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         · usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         · usable for Standard Faults at 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         · usable for Standard Faults up to 575/600 V according to UL       Siemens type: 3VA54, max. 600 A; lq = 18 kA         · usable for Standard Faults up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 10 kA         · usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 10 kA         · usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 10 kA         · usable for Standard Faults at inside-delta circuit up to 575/600 V according					
PROFIBUS     Yes  ULCSA 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 High Faults at 460/480 V at inside-delta circuit according to UL     - usable for High Faults at 460/480 V at inside-delta circuit according to UL     - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL     - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL     - usable for Standard Faults at 450/480 V at inside-delta circuit according to UL     - usable for Standard Faults at 575/600 V according to UL     - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL     - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL     - usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults up to 575/600 V according to UL     - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     - usable for High Faults at inside-delta circuit up to 575/600 V according to UL     - usable for High Faults at inside-delta circuit up to 575/600 V according to UL     - usable for High Faults at inside-delta circuit up to 575/600 V according to UL     - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     - usable for Standard Faults at inside-delta circuit up to 575/600 V					
ULCSA 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-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 Standard Faults at 575/600 V according to UL         — usable for Standard Faults at 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL         — usable for Standard Faults up to 575/600 V according to UL <td></td> <td></td>					
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 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 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 according to UL         - usable for Standard Faults up to 575/600 V according to UL         - usable for Standard Faults up to 575/600 V according to UL         - usable for Standard Faults up to 575/600 V according to UL         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL		res			
of circuit breaker					
to ULusable for High Faults at 460/480 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA— usable for Standard Faults at 460/480 V at inside- delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA— usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA— usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA— usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA— usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA— usable for Standard Faults up to 575/600 V at inside- delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA— usable for Standard Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 18 kA— usable for High Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA— usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA— usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA— usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA• at 200/208 V at 50 °C rated value75 hp					
usable for Standard Faults at 460/480 V at inside- delta circuit according to UL.Siemens type: 3VA54, max. 600 A; lq = 18 kA usable for High Faults at 460/480 V at inside-delta circuit according to UL.Siemens type: 3VA54, max. 600 A; lq = 18 kA usable for Standard Faults at 575/600 V according to UL.Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA usable for Standard Faults at 575/600 V at inside- delta circuit according to UL.Siemens type: 3VA54, max. 600 A; lq = 18 kA usable for Standard Faults at 575/600 V at inside- delta circuit according to UL.Siemens type: 3VA54, max. 600 A; lq = 18 kA usable for Standard Faults up to 575/600 V according to UL.Siemens type: 3VA54, max. 1000 A; lq = 18 kA usable for Standard Faults up to 575/600 V according to UL.Type: Class J / L, max. 1000 A; lq = 100 kA usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.Type: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to UL.Type: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to UL.Type: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to UL.Type: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to UL.Type: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to UL.Type: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-	0	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA			
delta circuit according to UL	<ul> <li>— usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA			
usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq max = 65 kA usable for Standard Faults at 575/600 V according to ULSiemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA usable for Standard Faults at 575/600 V at inside- delta circuit according to ULSiemens type: 3VA54, max. 600 A; lq = 18 kA• of the fuseSiemens type: 3VA54, max. 600 A; lq = 18 kA usable for Standard Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 18 kA usable for High Faults up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA usable for Standard Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 18 kA usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at inside-delta circuit up to 575/600 V according to ULType: Class J / L, max. 1000 A; lq = 100 kA usable for High Faults at 50 °C rated value75 hp		Siemens type: 3VA54, max. 600 A; Iq = 18 kA			
to UL	— usable for High Faults at 460/480 V at inside-delta	Siemens type: 3VA54, max. 600 A; lq max = 65 kA			
delta circuit according to UL       Tube for the fuse         - usable for Standard Faults up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 18 kA         - usable for High Faults up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 18 kA         - usable for High Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for High Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for High Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for High Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for High Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         - usable for Standard Faults at in	•	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA			
		Siemens type: 3VA54, max. 600 A; Iq = 18 kA			
according to UL	of the fuse				
UL       — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 18 kA         — usable for High Faults at inside-delta circuit up to 575/600 V according to UL       Type: Class J / L, max. 1000 A; lq = 100 kA         Operating power [hp] for 3-phase motors       • at 200/208 V at 50 °C rated value       75 hp		Type: Class J / L, max. 1000 A; Iq = 18 kA			
to 575/600 V according to UL     Type: Class J / L, max. 1000 A; Iq = 100 kA		Type: Class J / L, max. 1000 A; Iq = 100 kA			
575/600 V according to UL     Image: Constraint of the second secon		Type: Class J / L, max. 1000 A; lq = 18 kA			
• at 200/208 V at 50 °C rated value 75 hp		Type: Class J / L, max. 1000 A; Iq = 100 kA			
	operating power [hp] for 3-phase motors				
• at 220/230 V at 50 °C rated value 100 hp	• at 200/208 V at 50 °C rated value	75 hp			

• at 460/480 V at	50 °C rated value		200 hp			
• at 575/600 V at	50 °C rated value		250 hp			
• at 200/208 V at	inside-delta circuit at 50 °C	rated value	150 hp			
	inside-delta circuit at 50 °C		200 hp			
	inside-delta circuit at 50 °C		400 hp			
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