## SIEMENS

## Data sheet

## 3RW5055-6TB04



SIRIUS soft starter 200-480 V 143 A, 24 V AC/DC Screw terminals Thermistor input

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW50
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS01</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>	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	<u>3NA3244-6; 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>3NE1 227-0; 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>3NE3 334 -0B; Type of coordination 2, Iq = 65 kA</u>
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1055</u>
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1055</u>
General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
ramp-down time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
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	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	2
trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2

buffering time in the event of power failure	
for main current circuit	100 ms
for control circuit	100 ms
insulation voltage rated value	600 V
	3. acc. to IEC 60947-4-2
degree of pollution	5, acc. to fee 60947-4-2 6 kV
impulse voltage rated value	1 400 V
blocking voltage of the thyristor maximum service factor	1
	6 kV
surge voltage resistance rated value maximum permissible voltage for safe isolation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC-53a
	Q
reference code according to IEC 81346-2 Substance Prohibitance (Date)	09/23/2019
product function	09/23/2019
•	Ven
<ul> <li>ramp-up (soft starting)</li> <li>ramp-down (soft stop)</li> </ul>	Yes
ramp-down (soft stop)     Soft Torque	Yes
Soft Torque	
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
evaluation of thermistor motor protection	Yes; Type A PTC or Klixon / Thermoclick
auto-RESET	Yes
• manual RESET	Yes
remote reset	Yes; By turning off the control supply voltage
communication function	Yes
operating measured value display	Yes; Only in conjunction with special accessories
error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
via software configurable	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
voltage ramp	Yes
torque control	No
analog output	No
Power Electronics operational current	
• at 40 °C rated value	143 A
• at 50 °C rated value	143 A 128 A
• at 60 °C rated value	118 A
operating voltage	
rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative negative tolerance of the operating voltage	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	37 kW
• at 400 V at 40 °C rated value	75 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	68 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	73 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	78 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	83 A

<ul> <li>at rotary coding switch on switch position 5</li> </ul>	88 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	98 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	103 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	108 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	113 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	118 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	123 A
<ul> <li>at rotary coding switch on switch position 12</li> <li>at rotary coding switch on switch position 13</li> </ul>	128 A
	120 A 133 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	
at rotary coding switch on switch position 15	138 A
• at rotary coding switch on switch position 16	143 A
• minimum	68 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
<ul> <li>at 40 °C after startup</li> </ul>	23 W
<ul> <li>at 50 °C after startup</li> </ul>	19 W
at 60 °C after startup	16 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	1 336 W
<ul> <li>at 50 °C during startup</li> </ul>	1 134 W
• at 60 °C during startup	1 007 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
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	-20 %
voltage at AC at 50 Hz	
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	360 mA
locked-rotor current at close of bypass contact	7.6 A
maximum	
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	·
• at AC-15 at 250 V rated value	3 A
at DC-13 at 24 V rated value	1A
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
	surface $+/-22.5^{\circ}$ tiltable to the front and back
fastening method	screw fixing
height	198 mm
width	120 mm
depth	249 mm
required spacing with side-by-side mounting	
forwards	10 mm
<ul> <li>backwards</li> </ul>	0 mm
upwards	100 mm
downwards	75 mm
• at the side	5 mm
weight without packaging	3.2 kg
Connections/ Terminals	
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	busbar connection
<ul> <li>for control circuit</li> </ul>	screw-type terminals
width of connection bar maximum	25 mm
wire length for thermistor connection	
<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m
<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul>	150 m
<ul> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul>	250 m
type of connectable conductor cross-sections	
<ul> <li>for main contacts for box terminal using the front clamping point solid</li> </ul>	16 120 mm²
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> </ul>	16 120 mm²
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded without core end processing</li> </ul>	10 120 mm²
<ul> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	16 70 mm²
<ul> <li>at AWG cables for main contacts for box terminal using the front clamping point</li> </ul>	6 250 kcmil
<ul> <li>for main contacts for box terminal using the back clamping point solid</li> </ul>	16 120 mm²
<ul> <li>at AWG cables for main contacts for box terminal using the back clamping point</li> </ul>	6 250 kcmil
• for main contacts for box terminal using both clamping points solid	max. 1x 95 mm², 1x 120 mm²
<ul> <li>for main contacts for box terminal using both clamping points finely stranded with core end processing</li> </ul>	max. 1x 95 mm², 1x 120 mm²
<ul> <li>for main contacts for box terminal using both clamping points finely stranded without core end processing</li> </ul>	max. 1x 95 mm², 1x 120 mm²
<ul> <li>for main contacts for box terminal using both clamping points stranded</li> </ul>	max. 2x 120 mm <sup>2</sup>
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end processing</li> </ul>	16 120 mm²
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded without core end processing</li> </ul>	10 120 mm²
<ul> <li>for main contacts for box terminal using the back clamping point stranded</li> </ul>	16 120 mm²
<ul> <li>type of connectable conductor cross-sections</li> <li>at AWG cables for main current circuit solid</li> </ul>	4 250 kcmil

- • for DN cable lug for main controls for low standed     //      //	Internation of the property	16 95 mm²		
Type of connectable conductor cross-sections         is (0.54.0 mm?), 2x (0.52.5 mm?)           if or control circuit solid         ix (0.54.0 mm?), 2x (0.52.5 mm?)           if or control circuit solid         ix (0.54.0 mm?), 2x (0.51.5 mm?)           if or control circuit solid         ix (0.54.0 mm?), 2x (0.51.5 mm?)           if or control circuit solid         ix (0.54.0 mm?), 2x (0.51.5 mm?)           if or an in contacts with screw-type terminals         if or main contacts with screw-type terminals           if or main contacts with screw-type terminals         014 N m           if or main contacts with screw-type terminals         014 Ibf in           if or main contacts with screw-type terminals         014 N m           if or main contacts with screw-type terminals         016 Ibf in           if or main contacts with screw-type terminals         016 Ibf in           if or main contacts with screw-type terminals         016 Ibf in           if or main contacts with screw-type terminals         0	<ul> <li>for DIN cable lug for main contacts stranded</li> <li>for DIN cable lug for main contacts finely stranded</li> </ul>			
<ul> <li>For cartod circuit solid</li> <li>fre cartod circuit solid</li> <li>fre AVGs cables for cantrol circuit solid</li> <li>int AVGs cables for cantrol circuit solid</li> <li>int AVGs cables for cantrol circuit solid</li> <li>int (2, 1, 2, 2, 2, 2, 1, 2), 2x (2,, 14)</li> </ul> <li>between solt starter and motor maximum         <ul> <li>at the digit inputs at AC maximum</li> <li>at the digit inputs at AC maximum</li> <li>for main contacts with screw-type terminals             <ul> <li>for auxiliary and control contacts with screw-type terminals</li> <li>during operation</li> <li>during storage and transport</li> <li>during storage and transport</li> <li>during storage acriding to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>ttBC emitted interference</li> <li>acto to IEC 60074-42: Class A</li> <li>etherNettiff</li> <li>etherNettiff</li> <li>etherNettiff</li> <li>etherNettiff</li> <li>etherNettiff</li> <li>etherNettif</li></ul></li></ul></li>				
		$1x (0.5 \pm 0.0 \text{ mm}^2) 2x (0.5 \pm 2.5 \text{ mm}^2)$		
processing       1x (2012), 2x (2014)         wire length       500 m         • between soft stater and motor maximum       1000 m         • for main contexts with screw-type terminals       014 N m         • for auxiliary and control contacts with screw-type terminals       012 N m         • for auxiliary and control contacts with screw-type terminals       012 N m         • for auxiliary and control contacts with screw-type terminals       012 N m         • for auxiliary and control contacts with screw-type terminals       6 000 m, derating as of 1000 m, see Manual         • during context with screw-type terminals       6 000 m, derating as of 1000 m, see Manual         • during storage and transport       -0+80 °C         • during storage and transport       -40+80 °C         • during storage according to IEC 60721       SK6 (no ice formation, only occasional condensation), 3C3 (no self misst the devices), 1M4         • during storage according to IEC 60721       SK6 (no ice formation, only occasional condensation), 3C3 (no self misst the devices), 1M4         • during transport according to IEC 60721       SK6 (no ice formation, only occasional condensation), 3C3 (no self misst the devices), 1M4         • during transport according to IEC 60721       SK6 (no ice formation, only occasional condensation), 3C3 (no self misst the devices), 1M4         • during transport according to IEC 60721       SK6 (no ice formation, only occasi				
wire length         • between soft starter and motor maximum         • at the digital inputs at AC maximum         1000 m           • of main contacts with screw-type terminals         • for auxiliary and control contacts with screw-type terminals         10 14 N m           • for main contacts with screw-type terminals         • for main contacts with screw-type terminals         10 14 N m           • for main contacts with screw-type terminals         • for main contacts with screw-type terminals         80 12 N m           • for main contacts with screw-type terminals         5 000 m; derating as of 1000 m, see Manual           • during storage and transport         - for "C; Please observe derating at temperatures of 40 °C or above           • during storage and transport         - do +80 °C           • during storage according to IEC 60721         SK (no is formation, only occasional condensation), 303 (no sath must), 152 (sand must or get into the device), 306           • during tansport according to IEC 60721         ZK, 21, 251, 242 (zm, Lish, Kail Height 0.3 m)           • during tansport according to IEC 60721         ZK, 21, 251, 242 (zm, Kail Height 0.3 m)           • during tansport according to IEC 60721         ZK, 21, 251, 242 (zm, Kail Height 0.3 m)           • Communication module is supported         • PROFIBUS           • PROFIBUS         Yes           • UICSA ratings         Siemens type: 3VA5225, max, 250 A; Iq = 10 KA <td< td=""><td></td><td></td></td<>				
• between soft starter and motor maximum     400 m       • et the digital inputs at AC maximum     1000 m       • for main contacts with screw-type terminals     0 14 N m       • for main contacts with screw-type     0 12 N m       • for main contacts with screw-type     9 12 N m       • for main contacts with screw-type     9 12 N m       • for main contacts with screw-type     9 12 N m       • for main contacts with screw-type     9 12 N m       • installation altitude at height above sea level maximum     5 000 m; derating as of 1000 m, see Manual <b>ambient conditions</b> -25 +60 °C; Please observe derating at temperatures of 40 °C or above       • during storage and transport     -40 +60 °C       • during storage according to IEC 60721     3K6 (no lee formation, only occasional condensation), 3C3 (no sait mist), 3S2 (sand must not get inside the devices), 3M6       • during storage according to IEC 60721     2KG, (only occasional condensation), 1C2 (so sait mist), 1S2 (sand must not get inside the devices), 3M6       • during storage according to IEC 60721     2KG, 2C1, 2S1, 2MR, 2MR, and leight 0.3 m) <b>EbCennutication Module is supported</b> Yes       • Deforesite the devices), 1M4     Yes       • during storage according to IEC 60721     Yes       • during storage according to IEC 60721     2KG, (no lee formation, only occasional condensation), 1S2 (sand must not get inside the devices), 1M4 <td< td=""><td><ul> <li>at AWG cables for control circuit solid</li> </ul></td><td colspan="3">1x (20 12), 2x (20 14)</td></td<>	<ul> <li>at AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)		
• st the digital inputs at AC maximum     1 000 m       fightening torque     • for main contacts with screw-type terminals     014 N m       • for main contacts with screw-type terminals     012 N m       fightening torque (bHrin)     • for main contacts with screw-type terminals     9124 lof in       • for main contacts with screw-type terminals     9124 lof in       • for main contacts with screw-type terminals     9124 lof in       • for main contacts with screw-type terminals     9	wire length			
tightening torque       • for main contacts with screw-type terminals       10 14 N m         • for main contacts with screw-type terminals       0.8 1.2 N m         • for main contacts with screw-type terminals       0.8 1.2 N m         • for main contacts with screw-type terminals       9 124 lbfin         • for main contacts with screw-type terminals       9 124 lbfin         • for main contacts with screw-type terminals       9 124 lbfin         • for main contacts with screw-type terminals       9 124 lbfin         • for main contacts with screw-type terminals       9 124 lbfin         • for main contacts with screw-type terminals       9 124 lbfin         • for main contacts with screw-type terminals       9 10.3 lbfin         • formation control contacts with screw-type terminals       9 1000 m, derating as of 1000 m, see Manual         anabient conditions       10.3 lbfin         • during storage according to IEC 60721       400 m, e80 m C         • during storage according to IEC 60721       10.3 lbfin         • during transport according to IEC 60721       10.3 lbfin         • EMC emitted instruction module is supported       12. RNR (max, fail height 0.3 m)         • EMC emitted instruction module is supported       12. RNR (max, fail height 0.3 m)         • PROFINET standard       Yes      <	<ul> <li>between soft starter and motor maximum</li> </ul>	800 m		
• for main contacts with screw-type terminals       10 14 N m         • for auxiliary and control contacts with screw-type terminals       0.3 1.2 N m         • for auxiliary and control contacts with screw-type terminals       6 14 N m         • for auxiliary and control contacts with screw-type terminals       9 124 lbf in         • for auxiliary and control contacts with screw-type terminals       9 124 lbf in         Ambient conditions       7 10.3 lbf in         Installation atitude at height above sea level maximum       5.000 m, derating as of 1000 m, see Manual         ambient temperature       4.00 m; goeration         • during storage and transport       -40 +80 °C         • during storage according to IEC 60721       3K6 (no loe formation, only occasional condensation), 3C3 (no sait miss), 352 (and must not get inside the devices), 3M6         • during storage according to IEC 60721       2K2, C21, 251, 2M2 (2M2 (max; fall height 0.3 m)         EWC emitted interference       2cc to IEC 60047-4-2: Class A         Communication Module is supported       Yes         • PROFINET standard       Yes         • Emitters       Yes         • Lubels for Standard Faults at 460/480 V according to UL       Yes         • Out the fuse       usable for Standard Faults at 460/480 V according to UL         • according to UL       Yes	<ul> <li>at the digital inputs at AC maximum</li> </ul>	1 000 m		
• for auxiliary and control control contacts with screw-type         0.8 12 N m           tightening torque [lbFin]         69	tightening torque			
terminals  ightening torque [Ibfin]  i for main contacts with screw-type terminals i for auxiliary and control contacts with screw-type terminals installation altitude at height above sea level maximum ambient temperature during operation during operation during operation during storage and transport during storage and transport during storage and transport during storage according to IEC 60721 during transport transport	<ul> <li>for main contacts with screw-type terminals</li> </ul>	10 14 N·m		
tightening torque (Ibf-In)       89 124 lbf-in         • for main contacts with screw-type terminals       7 10.3 lbf-in         • for auxiliary and control control controls control controls to with screw-type terminals       7 10.3 lbf-in         • minatal       • for auxiliary and control controls control controls with screw-type terminals       7 10.3 lbf-in         • anbient conditions       • during goreation       • 25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during operation       •		0.8 1.2 N·m		
• for main contracts with screw-type terminals       89 124 lbr/in         • for auxiliary and control contacts with screw-type terminals       7 10.3 lbr/in         Ambient conditions       5.000 m, derating as of 1000 m, see Manual         ambient temperature       4.00 480 °C         • 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 lice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (and must not get indice 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)         • EBRCHNet/IP       Yes         • Modbus TCP       Yes         • Modbus TCP       Yes         • Auble for Standard Faults at 460/480 V according to UL       Slemens type: 3VA5225, max. 250 A; lq = 10 kA         • according to UL       Yes         • actable for Standard Faults at 460/480 V according to UL       Slemens type: 3VA5225, max. 350 A; lq = 10 kA         • according to UL       Yes         • acta00x20 V at 50 °C rated value       40 hp         • at 200/230 V at 50 °C rated value       40 hp         • at 200/230 V at 50 °C rated v		-		
Ambient conditions         installation at height above sea level maximum         ambient temperature         • during operation         • during operation         • during storage and transport         • during operation according to IEC 60721         • during storage and transport         • during storage according to IEC 60721         • during transport according to IEC 60721         • Communication module is supported         • RROFINET standard       Yes         • Contrubute is supported       Yes         • ROFINET standard       Yes         • Modbus RTU       Yes         • Of circuit breaker				
Anbient conditions         installation altitude at height above sea level maximum       5 000 m; derating as of 1000 m; see Manual         ambient temperature       -0 uring operation         - 0 uring storage and transport       -40 +80 °C         environmental category       - during operation according to IEC 60721         - 0 uring storage 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 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)         - EMC emitted interforence       acc. IEC 60947-4-2: Class A         Communication Module is supported       Yes         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Nodobus RTU       Yes         • DeroFlaus       Yes         ILUCSA ratings       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults up to 575/600 V       Siemens type: 3VA5225, max. 350 A; lq = 10 kA         according to UL       - usable for Standard Faults up to 575/600 V       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • at 200/208 V at 50 °C rated va		7 10.3 lbf·in		
Installation altitude at height above sea level maximum       5 000 m; derating as of 1000 m, see Manual         ambient temperature       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °C         environmental category       • during storage according to IEC 60721         • during transport according to IEC 60721       3K6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 352 (sand must not get into the devices), 3M6         • 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         Communication module is supported       Yes         • RROFINET standard       Yes         • Modbus RTD       Yes         • RopFIRUS       Yes         • IberNetViP       Yes         • RopFIRUS       Yes         • IberNetViP       Yes         • IberNetViP       Yes         • IberNetViP       Yes         • RopFIRUS       Yes         • according to U.       Yes         • according to U.       Siemens type: 3VA5225, max, 250 A; Iq = 10 kA         according to U.       Type: Class RK5 / K5, max, 350 A; Iq = 10 kA         according to U.       Siemens type: 3VA5225, max, 350 A; Iq = 10 kA <td></td> <td></td>				
amblent tamperature       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °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 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         Communication mobule is supported       • PROFINET standard         • PROFINET standard       Yes         • Modbus TCP       Yes         • Modbus TCP       Yes         • Modbus TCP       Yes         • Of circuit breaker		5 000 mi derating ap of 1000 m app Manual		
• 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 sait mist), 352 (sand must not get into the devices), 3M6         • during storage according to IEC 60721       3K6 (no ice formation, only occasional condensation), 1C2 (no sait mist), 152 (sand must not get into 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)         • 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)         • 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)         • Communication module is supported       Yes         • PROFIBUS       Yes         • ULCSA ratings       Yes         manufacturer's article number       • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Yes: Siemens type: 3VA5225, max. 250 A; lq = 10 kA         • operating nower (hg) for 3-phase motors       • at 200/20	<b>_</b>			
above     above       above     -40 +80 °C       environmental category     -40 +80 °C       • during operation according to IEC 60721     3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3t2 (sand must not get inside the devices), 3M6       • during storage according to IEC 60721     3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get mistide the devices), 3M6       • during transport according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m)       EMC cmitted interference     acc. to IEC 60947-4-2; Class A       Communication     Yes       • BroPFINET standard     Yes       • Modbus RTU     Yes       • Modbus RTD     Yes       • UL/CSA ratings     Yes       manufacturer's article number     • of circuit breaker       - usable for Standard Faults at 460/480 V     according to UL       - usable for Standard Faults up to 575/600 V     according to UL       - usable for Standard Faults up to 575/600 V     according to UL       - at 200/200 V at 50 °C rated value     40 hp       • at 200/200 V at 50 °C rated value     40 hp <tr< td=""><td></td><td>-25 ±60 °C. Please observe derating at temperatures of 40 °C or</td></tr<>		-25 ±60 °C. Please observe derating at temperatures of 40 °C or		
• during storage and transport     -40 +80 °C       environmental category     • 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 into 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)       • EMC emitted interference     acc. to IEC 60947-4-2; Class A       • Communication module is supported     Yes       • PROFINET standard     Yes       • Modbus RTU     Yes       • Modbus TCP     Yes       • PROFIBUS     Yes <b>ULCSA ratings</b> Tamufacturer's article number       • of circuit breaker     -       - usable for Standard Faults at 460/480 V according to UL.     Siemens type: 3VA5225, max. 250 A; Iq = 10 KA       • ot the fuse     -       - usable for Standard Faults up to 575/600 V according to UL.     Type: Class RK5 / K5, max. 350 A; Iq = 10 KA       • at 200/208 V at 50 °C rated value     40 hp       • at 200/208 V at 50 °C rated value     40 hp       • at 200/208 V at 50 °C rated value     100 hp       • at 400/480 V at 50 °C rated value     100 hp       • at 400/480				
environmental category <ul> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>tK6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 3M6</li> <li>tK6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4</li> <li>during transport according to IEC 60721</li> <li>EKC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> </ul> <li>Communication module is supported         <ul> <li>PROFINET standard</li> <li>Yes</li> <li>Modbus TCP</li> <li>Yes</li> <li>Modbus TCP</li> <li>Yes</li> </ul> </li> <li>UL/CSA ratings</li> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>tat 200/208 V at 50 °C rated value</li> <li>tatatord</li></ul></li>	<ul> <li>during storage and transport</li> </ul>	-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 inbide the devices), 3M6         • during storage according to IEC 60721       1K6 (no) condensation), 1C2 (no salt mist), 1S2 (sand must not get inbide 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 <b>Communication module is supported</b> • PROFINET standard         • ROPOFINET standard       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes <b>UL/CSA ratings</b> Yes         matufacturer's article number       • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA5225, max. 250 A; Iq = 10 kA         • of the fuse       - usable for Standard Faults up to 575/600 V according to UL       Type: Class RK5 / K5, max. 350 A; Iq = 10 kA         • according to UL       - usable for Tagh Paults up to 575/600 V according to UL       100 hp         • at 200/208 V at 50 °C rated value       40 hp       40 hp         • at 200/208 V at 50 °C rated value       40 hp       40 hp         • at 460/480 V at 50 °C rated value       100 hp       Sateop related data         pr				
• during storage according to IEC 60721       mist), 352 (sand must not get inside the devices), 3M6         • 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         Communication module is supported       • PROFINET standard         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes <b>UL/CSA ratings</b> Yes         manufacturer's article number       • of circuit breaker         - usable for Standard Faults at 460/480 V       Siemens type: 3VA5225, max. 250 A; lq = 10 kA         • of the fuse       - usable for Standard Faults up to 575/600 V         • according to UL       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • of the fuse       - usable for High Faults up to 575/600 V         • according to UL       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • or according to UL       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • according to UL       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • according to UL       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • according to UL       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • according to UL       Type: Class RK5 / K5, max. 350		3K6 (no ice formation, only occasional condensation), 3C3 (no salt		
• during transport according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)       EMC emitted interference     acc. to IEC 60947-4-2: Class A       Communication / Protocol        communication module is supported     Yes       • PROFINET standard     Yes       • EtherNet/IP     Yes       • Modbus RTU     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: 3VA5225, max. 250 A; Iq = 10 kA       • of the fuse     - usable for Standard Faults up to 575/600 V according to UL       • of the fuse     Type: Class RK5 / K5, max. 350 A; Iq = 10 kA       • usable for Standard Faults up to 575/600 V according to UL     Type: Class J, max. 350 A; Iq = 10 kA       • of the fuse     10 L       - usable for Standard Faults up to 575/600 V according to UL     Type: Class J, max. 350 A; Iq = 10 kA       • at 200/208 V at 50 °C rated value     40 hp       • at 200/208 V at 50 °C rated value     40 hp       • at 200/208 V at 50 °C rated value     40 hp       • at 200/208 V at 50 °C rated value     100 hp       Safety related data     IP00; IP20 with cover       gotsy related data     IP00				
• 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       Communication / Protocol     Communication / Protocol       communication module is supported     PROFINET standard       • PROFINET standard     Yes       • EtherNet/IP     Yes       • Modbus RTU     Yes       • Modbus TCP     Yes       • PROFIBUS     Yes       UL/CSA ratings     Yes       manufacturer's article number     of circuit breaker       - usable for Standard Faults at 460/480 V according to UL     Siemens type: 3VA5225, max. 250 A; Iq = 10 kA       • of the fuse     - usable for Standard Faults up to 575/600 V according to UL       - usable for Standard Faults up to 575/600 V according to UL     Type: Class RK5 / K5, max. 350 A; Iq = 10 kA       • of the fuse     - usable for High Faults up to 575/600 V according to UL     Type: Class J, max. 350 A; Iq = 10 kA       • at 200/208 V at 50 °C rated value     40 hp     + at 200/208 V at 50 °C rated value       • at 200/208 V at 50 °C rated value     40 hp     + at 460/480 V at 50 °C rated value       • at 460/480 V at 50 °C rated value     40 hp     + at 460/480 V at 50 °C rated value       • at 200/208 V at 50 °C rated value     40 hp     + at 460/480 V at 50 °C rated value       • at 460/480 V at 50 °C rated value     40 hp     + at 460	<ul> <li>during storage according to IEC 60721</li> </ul>			
EMC emitted interference       acc. to IEC 60947-4-2; Class A         Communication/ Protocol         communication module is supported         • PROFINET standard         • EtherNet/IP         • Modbus RTU         • Modbus RTU         • Modbus TCP         • PROFIBUS         UL/CSA ratings         manufacturer's article number         • of circuit breaker         - usable for Standard Faults at 460/480 V         according to UL         - usable for Standard Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for Standard Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for Standard Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for Standard Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - at 400/480 V at 50 °C rated value         40 hp         • at 220/230 V at 50 °C rated value         40 hp<	- during transport according to IEC 00724			
Communication/ Protocol         communication module is supported         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA5225, max. 250 A; Iq = 10 kA         • of the fuse       - usable for Standard Faults up to 575/600 V according to UL       Type: Class RK5 / K5, max. 350 A; Iq = 10 kA         • operating power [hp] for 3-phase motors       - usable for High Faults up to 575/600 V according to UL       Type: Class J, max. 350 A; Iq = 10 kA         operating power [hp] for 3-phase motors       - usable for C rated value       40 hp         • at 220/230 V at 50 °C rated value       40 hp       - at 220/230 V at 50 °C rated value       40 hp         • at 420/480 V at 50 °C rated value       100 hp       Safety related data       - finger-safe, for vertical contact from the front with cover         protection class IP on the front according to IEC 60529       finger-safe, for vertical contact from the front with cover         ATEX       Yes       - IECEx       Yes				
communication module is supported     Yes       • PROFINET standard     Yes       • EtherNet/IP     Yes       • Modbus RTU     Yes       • Modbus TCP     Yes       • PROFIBUS     Yes       UL/CSA ratings     Yes       manufacturer's article number     • of circuit breaker       - usable for Standard Faults at 460/480 V     Siemens type: 3VA5225, max. 250 A; Iq = 10 kA       • of the fuse     - usable for Standard Faults up to 575/600 V       - usable for Standard Faults up to 575/600 V     Type: Class RK5 / K5, max. 350 A; Iq = 10 kA       • or usable for Standard Faults up to 575/600 V     Type: Class RK5 / K5, max. 350 A; Iq = 10 kA       • ousble for Standard Faults up to 575/600 V     Type: Class RK5 / K5, max. 350 A; Iq = 10 kA       • ousble for High Faults up to 575/600 V     Type: Class J, max. 350 A; Iq = 10 kA       • ousble for Standard Faults up to 575/600 V     Type: Class J, max. 350 A; Iq = 10 kA       • ousble for Standard Faults up to 575/600 V     Type: Class J, max. 350 A; Iq = 10 kA       • at 200/208 V at 50 °C rated value     40 hp       • at 200/208 V at 50 °C rated value     100 hp       Safety related data     IPO0; IP20 with cover       protection class IP on the front according to IEC 60529     Inger-safe, for vertical contact from the front with cover       60529     touch protection on the front according to IEC 60529     Inger-safe, for ve		acc. to TEC 00947-4-2. Class A		
PROFINET standard Yes     EtherNet/IP Yes     Modbus RTU Yes     Modbus RTU Yes     Modbus TCP Yes     PROFIBUS Yes      UL/CSA ratings      UL/CSA ratings      Modbus TCP Yes      UL/CSA ratings      UL/CSA ratings      UL/CSA ratings      UL/CSA ratings      To standard Faults at 460/480 V according to UL     of the fuse				
• 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: 3VA5225, max. 250 A; lq = 10 kA         • of the fuse       - usable for Standard Faults up to 575/600 V according to UL       Type: Class RK5 / K5, max. 350 A; lq = 10 kA         • usable for Standard Faults up to 575/600 V according to UL       - usable for 3-phase motors       Type: Class J, max. 350 A; lq = 100 kA         • operating power [hp] for 3-phase motors       • at 200/208 V at 50 °C rated value       40 hp         • at 200/208 V at 50 °C rated value       40 hp       9 hp         • at 460/480 V at 50 °C rated value       10 hp       10 hp         • at 460/480 V at 50 °C rated value       10 hp       10 hp         • at 460/480 V at 50 °C rated value       10 hp       10 hp         • at 460/480 V at 50 °C rated value       10 hp       10 hp         • at 460/480 V at 50 °C rated value       10 hp       10 hp         • at 60/480 V at 50 °C rated value       10 hp       10 hp         • at 60/480 V at 50 °C rated value       10 hp       10 hp         • at 60/480 V at				
Modbus RTU Yes     Modbus TCP     Yes     PROFIBUS     Yes      Ves      UL/CSA ratings      Tunufacturer's article number     of circuit breaker         - usable for Standard Faults at 460/480 V         according to UL     of the fuse         - usable for Standard Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for Standard Faults up to 575/600 V         according to UL         - usable for High 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 High 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 High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         figer.safe, for vertical contact for ka         to uch protection on the front according to IEC         finger.safe, for vertical contact from the front with cover         finger.safe, for vertical contact from the front with cover         finger.safe, for vertical contact from the front with cover         finger.safe, for vertical contact from the front with cover         finger.safe, for vertical cont		Vec		
Modbus TCP     Yes     Yes     Yes     Yes      UL/CSA ratings      manufacturer's article number         of circuit breaker             - usable for Standard Faults at 460/480 V             according to UL             of the fuse             - 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 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 Cated value             40 hp             to 4200/280 V at 50 °C rated value             40 hp             to 4200/280 V at 50 °C rated value             40 hp             to 4400/480 V at 50 °C rated value             100 hp             Safety related data             protection on the front according to IEC             finger-safe, for vertical contact from the front with cover             forestificate of suitability             ATEX             Yes             IECEx             Yes				
PROFIBUS     Yes  UL/CSA ratings  manufacturer's article number     of circuit breaker     usable for Standard Faults at 460/480 V     according to UL     of the fuse         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 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 up to 575/600 V         according to UL         usable for Standard Faults up to 575/600 V         according to 0L         usable for Standard Faults up to 575/600 V         at 220/230 V at 50 °C rated value         40 hp         at 220/230 V at 50 °C rated value         100 hp         Safety related data         protection class IP on the front according to IEC 60529         finger-safe, for vertical contact from the f	• EtherNet/IP	Yes		
UL/CSA ratings         manufacturer's article number         • of circuit breaker	<ul><li>EtherNet/IP</li><li>Modbus RTU</li></ul>	Yes Yes		
manufacturer's article number       • of circuit breaker	<ul><li>EtherNet/IP</li><li>Modbus RTU</li><li>Modbus TCP</li></ul>	Yes Yes Yes		
of circuit breaker <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse                 <ul></ul></li></ul>	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul>	Yes Yes Yes		
	EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS UL/CSA ratings	Yes Yes Yes		
according to UL     • of the fuse       - usable for Standard Faults up to 575/600 V     Type: Class RK5 / K5, max. 350 A; lq = 10 kA       - usable for High Faults up to 575/600 V     Type: Class J, max. 350 A; lq = 100 kA       - usable for High Faults up to 575/600 V     Type: Class J, max. 350 A; lq = 100 kA       operating power [hp] for 3-phase motors     • at 200/208 V at 50 °C rated value       • at 200/208 V at 50 °C rated value     40 hp       • at 460/480 V at 50 °C rated value     100 hp       Safety related data     IP00; IP20 with cover       g0529     finger-safe, for vertical contact from the front with cover       ATEX     Yes       • ATEX     Yes	EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes Yes		
of the fuse	EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings manufacturer's article number     of circuit breaker	Yes Yes Yes		
according to UL       usable for High Faults up to 575/600 V       Type: Class J, max. 350 A; lq = 100 kA         operating power [hp] for 3-phase motors	EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker     — usable for Standard Faults at 460/480 V	Yes Yes Yes		
according to UL       usable for High Faults up to 575/600 V       Type: Class J, max. 350 A; lq = 100 kA         operating power [hp] for 3-phase motors	EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker    usable for Standard Faults at 460/480 V     according to UL	Yes Yes Yes		
according to UL       An	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA		
operating power [hp] for 3-phase motors       40 hp         • at 200/208 V at 50 °C rated value       40 hp         • at 220/230 V at 50 °C rated value       40 hp         • at 460/480 V at 50 °C rated value       100 hp         Safety related data       100 hp         protection class IP on the front according to IEC 60529       IP00; IP20 with cover         forger-safe, for vertical contact from the front with cover         ATEX       Yes         • IECEx       Yes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA		
• at 200/208 V at 50 °C rated value       40 hp         • at 220/230 V at 50 °C rated value       40 hp         • at 460/480 V at 50 °C rated value       100 hp         Safety related data       100 hp         protection class IP on the front according to IEC 60529       IP00; IP20 with cover         60529       finger-safe, for vertical contact from the front with cover         ATEX       Yes         • ATEX       Yes         • IECEx       Yes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA		
• at 220/230 V at 50 °C rated value       40 hp         • at 460/480 V at 50 °C rated value       100 hp         Safety related data       100 hp         protection class IP on the front according to IEC 60529       IP00; IP20 with cover         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front with cover         ATEX       Yes         • ATEX       Yes         • IECEx       Yes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA		
• at 460/480 V at 50 °C rated value       100 hp         Safety related data	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA		
Safety related data         protection class IP on the front according to IEC         60529         touch protection on the front according to IEC 60529         finger-safe, for vertical contact from the front with cover         ATEX         certificate of suitability         • ATEX         Yes         • IECEx	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA		
protection class IP on the front according to IEC       IP00; IP20 with cover         60529       finger-safe, for vertical contact from the front with cover         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front with cover         ATEX       certificate of suitability         • ATEX       Yes         • IECEx       Yes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp		
60529       finger-safe, for vertical contact from the front with cover         ATEX       certificate of suitability         • ATEX       Yes         • IECEx       Yes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp		
ATEX       certificate of suitability       • ATEX       Yes       • IECEx	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp		
ATEX       certificate of suitability       • ATEX       Yes       • IECEx	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp		
certificate of suitability• ATEX• IECExYes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors         <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data         <ul> <li>protection class IP on the front according to IEC 60529</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp		
ATEX Yes     IECEx Yes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors         <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>to 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp		
• IECEx Yes	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data protection class IP on the front according to IEC 60529 ATEX	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp		
	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>ogerating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data         <ul> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> </ul>	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp 100 hp		
	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> Operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data protection class IP on the front according to IEC 60529 ATEX <ul> <li>certificate of suitability</li> <li>ATEX</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 100 hp 100 hp 100 hp Yes		
relating to ATEX	<ul> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data protection class IP on the front according to IEC 60529 ATEX <ul> <li>certificate of suitability</li> <li>ATEX</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 100 hp 100 hp 100 hp Yes		

DED :://			0.00			
PFDavg with low de relating to ATEX	mand rate according	to IEC 61508	0.09			
PFHD with high dem relating to ATEX	nand rate according to	EN 62061	9E-6 1	1/h		
Safety Integrity Leve relating to ATEX	el (SIL) according to l	EC 61508	SIL1			
	est interval or service 508 relating to ATEX	life	3 у			
Certificates/ approval	s					
General Product Ap	oproval					For use in hazard- ous locations
	<u>Confirmation</u>		)		EHC	IECE×
For use in hazard- ous locations	Declaration of Conformity	Test Certifica	ates	Marine / Shipping		
KEx ATEX	CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re		ABS	Lloyd's Register Lits	PRS
other						
<u>Confirmation</u>						

Information- and Downloadce	nter (Catalogs, Brochures,)
https://www.siemens.com/ic10	
Industry Mall (Online ordering	i system)
https://mall.industry.siemens.co	m/mall/en/en/Catalog/product?mlfb=3RW5055-6TB04
Cax online generator	
http://support.automation.sieme	ns.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5055-6TB04
Service&Support (Manuals, C	ertificates, Characteristics, FAQs,)
https://support.industry.siemens	.com/cs/ww/en/ps/3RW5055-6TB04
Image database (product image	ges, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)
	com/bilddb/cax_de.aspx?mlfb=3RW5055-6TB04⟨=en
Characteristic: Tripping chara	acteristics, I <sup>2</sup> t, Let-through current
https://support.industry.siemens	.com/cs/ww/en/ps/3RW5055-6TB04/char
Characteristic: Installation alt	itude
http://www.automation.siemens	.com/bilddb/index.aspx?view=Search&mlfb=3RW5055-6TB04&objecttype=14&gridview=view1
Simulation Tool for Soft Start	ers (STS)
	.com/cs/ww/en/view/101494917

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