## SIEMENS

## Data sheet

## 3RW5056-6AB14



SIRIUS soft starter 200-480 V 171 A, 110-250 V AC Screw terminals Analog output

product brand name	SIRIUS			
product category	Hybrid switching devices			
product designation	Soft starter			
product type designation	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>	3NA3244-6; 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>3NE1 230-0; 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 335; Type of coordination 2, Iq = 65 kA</u>			
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1056</u>			
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1064</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 %			
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			
buffering time in the event of power failure				

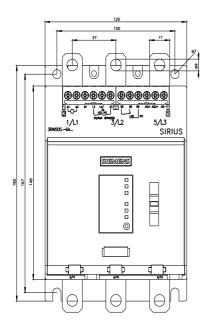
• for main ourrant circuit	100 mc				
for main current circuit     for control circuit	100 ms 100 ms				
insulation voltage rated value	600 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	6 kV 1 400 V				
blocking voltage of the thyristor maximum					
service factor					
surge voltage resistance rated value	6 kV				
maximum permissible voltage for protective separation	600.1/				
between main and auxiliary circuit     shock resistance	600 V				
	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting				
utilization category according to IEC 60947-4-2	AC-53a Q				
reference code according to IEC 81346-2	09/23/2019				
Substance Prohibitance (Date) SVHC substance name	Lead - 7439-92-1				
SVHC Substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof Dodecamethylcyclohexasiloxane (D6) - 540-97-6				
product function					
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes				
• ramp-down (soft stop)	Yes				
Soft Torque	Yes				
<ul> <li>adjustable current limitation</li> </ul>	Yes				
• pump ramp down	Yes				
<ul> <li>intrinsic device protection</li> </ul>	Yes				
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection				
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No				
auto-RESET	Yes				
manual RESET	Yes				
remote reset	Yes; By turning off the control supply voltage				
<ul> <li>communication function</li> </ul>	Yes				
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories				
error logbook	Yes; Only in conjunction with special accessories				
<ul> <li>via software parameterizable</li> </ul>	No				
<ul> <li>via software configurable</li> </ul>	Yes				
PROFlenergy	Yes; in connection with the PROFINET Standard communication module				
voltage ramp	Yes				
torque control	No				
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)				
Power Electronics					
operational current					
<ul> <li>at 40 °C rated value</li> </ul>	171 A				
● at 50 °C rated value	153 A				
• at 60 °C rated value	141 A				
operating voltage					
rated value	200 480 V				
relative negative tolerance of the operating voltage	-15 %				
relative positive tolerance of the operating voltage	10 %				
operating power for 3-phase motors					
• at 230 V at 40 °C rated value	45 kW				
• at 400 V at 40 °C rated value	90 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					
at rotary coding switch on switch position 1	81 A				
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	87 A				

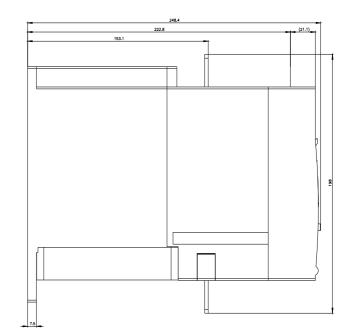
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	99 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	105 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	111 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	117 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	123 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	129 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	135 A
	141 A
at rotary coding switch on switch position 11	
at rotary coding switch on switch position 12	147 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	153 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	159 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	165 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	171 A
• minimum	81 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	29 W
• at 50 °C after startup	23 W
• at 60 °C after startup	20 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	1 751 W
• at 50 °C during startup	1 478 W
• at 60 °C during startup	1 308 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	Electionic, apping in the event of thermal overload of the motor
	40
type of voltage of the control supply voltage	AC
control supply voltage at AC	440 05014
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
	-15 % 10 %
AC at 50 Hz relative positive tolerance of the control supply voltage at	
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at	10 %
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at	10 % -15 %
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz	10 % -15 % 10 %
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage	10 % -15 % 10 % 50 60 Hz
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AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value	10 % -15 % 10 % 50 60 Hz -10 % 10 %
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A 12.2 A
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply duration of inrush current peak at application of control supply	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A 12.2 A 2.2 ms Varistor 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
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A 12.2 A 2.2 ms Varistor 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A 12.2 A 2.2 ms Varistor 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
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A 12.2 A 2.2 ms Varistor 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
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs	10 %         -15 %         10 %         50 60 Hz         -10 %         10 %         30 mA         80 mA         2.5 A         12.2 A         2.2 ms         Varistor         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         1
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A 12.2 A 2.2 ms Varistor 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 1 1 3 2
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs number of digital outputs • not parameterizable digital output version	10 %         -15 %         10 %         50 60 Hz         -10 %         10 %         30 mA         80 mA         2.5 A         12.2 A         2.2 ms         Varistor         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         1         3         2         2 normally-open contacts (NO) / 1 changeover contact (CO)
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 80 mA 2.5 A 12.2 A 2.2 ms Varistor 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 1 1 3 2
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	10 %         -15 %         10 %         50 60 Hz         -10 %         10 %         30 mA         80 mA         2.5 A         12.2 A         2.2 ms         Varistor         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         1         3         2         2 normally-open contacts (NO) / 1 changeover contact (CO)         1
AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	10 %         -15 %         10 %         50 60 Hz         -10 %         10 %         30 mA         80 mA         2.5 A         12.2 A         2.2 ms         Varistor         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         1         3         2         2 normally-open contacts (NO) / 1 changeover contact (CO)

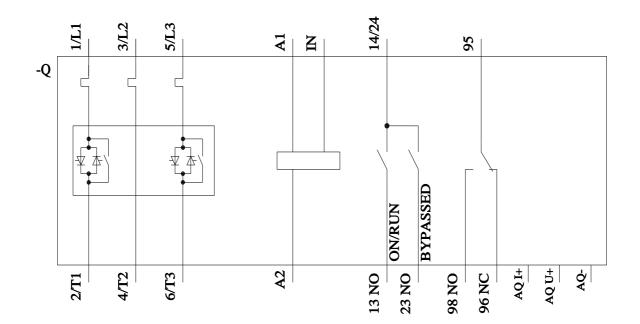
Installation/ mounting/ dimensions					
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface $\frac{1}{22.5^{\circ}}$ tiltable to the front and back				
fastening method	+/- 22.5° tiltable to the front and back screw fixing				
height	198 mm				
width	120 mm				
depth	249 mm				
required spacing with side-by-side mounting					
forwards	10 mm				
backwards	0 mm				
• upwards	100 mm				
downwards					
• at the side	75 mm 5 mm				
weight without packaging	5.2 kg				
Connections/ Terminals	0.2 kg				
type of electrical connection					
for main current circuit	busbar connection				
for control circuit					
width of connection bar maximum	screw-type terminals 25 mm				
	23 11111				
type of connectable conductor cross-sections for main contacts for box terminal					
<ul> <li>using the front clamping point solid</li> </ul>	16 120 mm²				
<ul> <li>using the front clamping point finely stranded with core</li> </ul>	16 120 mm²				
end processing					
<ul> <li>using the front clamping point finely stranded without core end processing</li> </ul>	10 120 mm²				
using the front clamping point stranded	16 70 mm²				
using the back clamping point solid	16 120 mm <sup>2</sup>				
<ul> <li>r box terminal using the back clamping point</li> </ul>	6 250 kcmil				
using both clamping points solid	max. 1x 95 mm², 1x 120 mm²				
using both clamping points finely stranded with core end	max. 1x 95 mm², 1x 120 mm²				
<ul> <li>processing</li> <li>using both clamping points finely stranded without core</li> </ul>	max. 1x 95 mm², 1x 120 mm²				
end processing • using both clamping points stranded	max. 2x 120 mm²				
<ul> <li>using both clamping points stranded</li> <li>using the back clamping point finely stranded with core</li> </ul>	16 120 mm²				
<ul> <li>using the back clamping point finely stranded without core</li> </ul>	10 120 mm²				
end processing					
<ul> <li>using the back clamping point stranded</li> </ul>	16 120 mm²				
type of connectable conductor cross-sections					
<ul> <li>for AWG cables for main current circuit solid</li> </ul>	4 250 kcmil				
for DIN cable lug for main contacts stranded	16 95 mm <sup>2</sup>				
for DIN cable lug for main contacts finely stranded	25 120 mm²				
type of connectable conductor cross-sections					
• for control circuit solid	1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> )				
• for control circuit finely stranded with core end processing	1x (0.5 2.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )				
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)				
wire length					
between soft starter and motor maximum	800 m				
at the digital inputs at AC maximum	1 000 m				
tightening torque	10 14 Nm				
<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliany and control contacts with screw type</li> </ul>	10 14 N·m				
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m				
tightening torque [lbf·in]					
<ul> <li>for main contacts with screw-type terminals</li> </ul>	89 124 lbf·in				
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	7 10.3 lbf·in				
terminals					
Ambient conditions					
installation altitude at height above sea level maximum	5 000 m; derating as of 1000 m, see Manual				
ambient temperature					
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above				
during storage and transport	-40 +80 °C				

Siemens Eco Profile (SEP)       Siemens EcoTech         EMC emitted interference       acc. to IEC 60947-4-2: Class A         communication/Protocol       -         communication/Protocol       -         communication module is supported       Yes         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes <b>ULOSA ratings</b> -         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         - usable for Standard Faults up to 575/600 V       Siemens type: 3VA522, max. 250 A; lq max = 65 kA         • of the fuse       -       usable for High Faults up to 575/600 V         - usable for Standard Faults up to 575/600 V       Type: Class RK5 / K5, max. 400 A; lq = 10 kA         operating power [hp] for 3-phase motors       -         • at 200/208 V at 50 °C rated value       50 hp         • at 200/208 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value	during operation according to IEC 60721     during storage according to IEC 60721     during storage according to IEC 60721     during transport according to IEC 60721     during transport according to IEC 60721     deviced     devic	Affatter for the devices), 3M6 phal condensation), 1C2 (no salt mist), 1S2 (sand must not g s), 1M4 M2 (max. fall height 0.3 m) n 7-4-2: Class A Affatter for the devices of the device of the d		
(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 inside the devices), 1M4         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)         invironmental footprint       stemens Eco Profile (SEP)         Siemens Eco Profile (SEP)       sciences Eco Tech         EMC emitted interference       acc. to IEC 60947-4-2: Class A         communication Protocol       res         communication Protocol       Yes         etherNet/IP       Yes         • RPGOFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTD       Yes         • PROFIBUS       Yes         /// CSA ratings       Yes         • of circuit breaker       -         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA522, max. 250 A; lq = 10 kA         • of the fuse       -         - usable for Standard Faults up to 575/600 V according to UL       Siemens type: 3VA522, max. 350 A; lq = 10 kA         • at 200/208 V at 50 °C rated value       50 hp         • at 200/208 V at 50 °C rated value       50 hp         • at 200/208 V at 50 °C rated value       50 hp         • at 200/208 V at 50 °C rated value <t< td=""><td>(sand must not ge• during storage according to IEC 607211K6 (only occasic inside the device: 2K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 61508acc. to IEC 60943• during transport according to IEC 61508Yes• during transport according to IEC 61508Yes• during transport according to IEC 61508Fall• during transport according to IEC 61508Siemens type: 3V• during transport according to IEC 61508Yes• during transport according to IEC 61508Siemens type: 3V• of circuit breaker usable for Standard Faults at 460/480 V according to ULSiemens type: 3V• of the fuse usable for Standard Faults up to 575/600 VSiemens type: 3V• of the fuse usable for High Faults up to 575/600 VType: Class J, mail• of UL• usable for High Faults up to 575/600 VType: Class J, mail• at 200/208 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value&lt;</td><td>Affatter for the devices), 3M6 phal condensation), 1C2 (no salt mist), 1S2 (sand must not g s), 1M4 M2 (max. fall height 0.3 m) n 7-4-2: Class A Affatter for the devices of the device of the d</td></t<>	(sand must not ge• during storage according to IEC 607211K6 (only occasic inside the device: 2K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 607212K2, 2C1, 2S1, 2• during transport according to IEC 61508acc. to IEC 60943• during transport according to IEC 61508Yes• during transport according to IEC 61508Yes• during transport according to IEC 61508Fall• during transport according to IEC 61508Siemens type: 3V• during transport according to IEC 61508Yes• during transport according to IEC 61508Siemens type: 3V• of circuit breaker usable for Standard Faults at 460/480 V according to ULSiemens type: 3V• of the fuse usable for Standard Faults up to 575/600 VSiemens type: 3V• of the fuse usable for High Faults up to 575/600 VType: Class J, mail• of UL• usable for High Faults up to 575/600 VType: Class J, mail• at 200/208 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value<	Affatter for the devices), 3M6 phal condensation), 1C2 (no salt mist), 1S2 (sand must not g s), 1M4 M2 (max. fall height 0.3 m) n 7-4-2: Class A Affatter for the devices of the device of the d		
inside the devices), 1M4 • during transport according to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) Avironmental footprint Siemens Eco Profile (SEP) Siemens Eco Tech acc. to IEC 60947-4-2: Class A ommunication/ Protocol communication module is supported • PROFINET standard • PROFIBUS Ves • Modbus TCP • 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 IEC 60529 If POC; IP20 with cover finger-safe, for vertical contact from the front with cover finger-safe, for vertical contact from the front with cover If EX Safety Integrity Level (SIL) according to IEC 61508 PICH with high demand rate according to IEC 61508 PICH with high demand rate according to IEC 61508 - EIC h	Inside the device:     Auring transport according to IEC 60721     2K2, 2C1, 2S1, 2     Siemens EcoTec     acc. to IEC 6094:     ommunication module is supported         PROFINET standard         Yes         Modbus RTU         Yes         Modbus RTU         Yes         Modbus TCP         Yes         PROFIBUS         Yes         VCSA ratings         UCSA ratings         UL         — usable for Standard Faults at 460/480 V according         to UL         — usable for Standard Faults at 460/480 V according to UL         — usable for Standard Faults 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         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	s), 1M4 M2 (max. fall height 0.3 m) n 7-4-2: Class A		
vironmental footprint         Siemens EcoTech           Siemens EcoTech         ac: to IEC 60947-4-2: Class A           ommunication module is supported         -                • ROCFINET standard         Yes                • RORDINGET standard         Yes                • Modubus RTU         Yes                • 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. 400 A; Iq = 10 kA                • of the fuse               • usable for Standard Faults up to 575/600 V according to UC <t< td=""><td>Nvironmental footprint         Siemens Eco Profile (SEP)       Siemens EcoTec         EMC emitted interference       acc. to IEC 60943         ommunication Module is supported       PROFINET standard         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         <i>L/CSA ratings</i>       Yes         manufacturer's article number       of circuit breaker         — usable for Standard Faults at 460/480 V according to UL       Siemens type: 3V         • of the fuse       — usable for Standard Faults up to 575/600 V according to UL       Siemens type: 3V         • of the fuse       — usable for Standard Faults up to 575/600 V according to UL       Type: Class RK5         • of the fuse       — usable for Standard Faults up to 575/600 V according to UL       Type: Class J, ma         • ull       — usable for Standard Faults up to 575/600 V according to UL       Type: Class J, ma         • at 200/208 V at 50 °C rated value       50 hp       thp         • at 200/208 V at 50 °C rated value       50 hp       thp         • at 460/480 V at 50 °C rated value       50 hp       thp         • at 460/480 V at 50 °C rated value       50 hp       thp</td><td>n 7-4-2: Class A /A5225, max. 250 A; lq = 10 kA</td></t<>	Nvironmental footprint         Siemens Eco Profile (SEP)       Siemens EcoTec         EMC emitted interference       acc. to IEC 60943         ommunication Module is supported       PROFINET standard         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes <i>L/CSA ratings</i> Yes         manufacturer's article number       of circuit breaker         — usable for Standard Faults at 460/480 V according to UL       Siemens type: 3V         • of the fuse       — usable for Standard Faults up to 575/600 V according to UL       Siemens type: 3V         • of the fuse       — usable for Standard Faults up to 575/600 V according to UL       Type: Class RK5         • of the fuse       — usable for Standard Faults up to 575/600 V according to UL       Type: Class J, ma         • ull       — usable for Standard Faults up to 575/600 V according to UL       Type: Class J, ma         • at 200/208 V at 50 °C rated value       50 hp       thp         • at 200/208 V at 50 °C rated value       50 hp       thp         • at 460/480 V at 50 °C rated value       50 hp       thp         • at 460/480 V at 50 °C rated value       50 hp       thp	n 7-4-2: Class A /A5225, max. 250 A; lq = 10 kA		
Siemens Eco Profile (SEP)       Siemens EcoTech         EMC emitted interference       acc. to IEC 60947-4-2: Class A         semmunication (Protocol	Siemens Eco Profile (SEP) Siemens Eco Tec EMC emitted interference acc. to IEC 6094; pmmunication Protocol communication module is supported • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes /CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V according to UL = usable for Standard Faults at 460/480 V according to UL = usable for High 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 opperating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 220/230	/-4-2: Class A /A5225, max. 250 A; lq = 10 kA		
EMC emitted interference       acc: to IEC 60947-4-2: Class A         pmmunication module is supported       -         oppRoFINET standard       Yes         of PROFINET standard       Yes         of Modbus RTU       Yes         of Modbus RTU       Yes         of Modbus RTU       Yes         of Gravity Standard       Yes         of Gravity Standard Faults at 460/480 V according to UL       Siemens type: 3VA5225, max. 250 A; Iq = 10 kA         of Gravity Bravity Level (Standard Faults at 460/480 V according to UL       Siemens type: 3VA522, max. 250 A; Iq = 10 kA         of of the fuse       -       -	EMC emitted interference       acc. to IEC 6094;         pmmunication module is supported       PROFINET standard         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         //CSA ratings       Yes         manufacturer's article number       of circuit breaker         — usable for Standard Faults at 460/480 V according to UL       Siemens type: 3V         • of the fuse       -         — usable for Standard Faults up to 575/600 V       Siemens type: 3V         • of the fuse       -         — usable for Standard Faults up to 575/600 V according to UL       Siemens type: 3V         • of the fuse       -         — usable for High Faults up to 575/600 V according to UL       Siemens type: 3V         • of the fuse       -         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         • of the fuse       -         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         • out	/-4-2: Class A /A5225, max. 250 A; lq = 10 kA		
sommunication / Protocol         communication module is supported         e RPOFINET standard         e ReberNet/IP         Modbus RTU         Modbus RTU         Yes         Modbus TCP         PROFIBUS         Yes         VCSA ratings         manufacturer's article number         • of circuit breaker         - usable for Standard Faults at 460/480 V according to UL.         - usable for Standard Faults at 460/480 V according to UL.         - usable for Standard Faults at 460/480 V according to UL.         - usable for Standard Faults up to 575/600 V         according to UL         - usable for High Faults up to 575/600 V         ut         - 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.         - at 220/208 V at 50 °C rated value         • at 220/208 V at 50 °C rated value         • at 220/208 V at 50 °C rated value         • at 220/208 V at 50 °C rated value         • at 220/208 V at 50 °C rated value         • at 220/208 V at 50 °C rated value         • at 220/208 V at 50 °C rated value	ommunication/Protocol         communication module is supported         • PROFINET standard         • EtherNet/IP         • Modbus RTU         • Modbus TCP         • PROFIBUS         /CSA ratings         manufacturer's article number         • of circuit breaker         — usable for Standard Faults at 460/480 V according to UL         — usable for High Faults at 460/480 V according to UL         • 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         • 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 Standard Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         according to UL       Type: Class RK5         according to UL       Type: Class I, ma         uL       according to SC crated value       50 hp         • at 200/208 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       IPO0; IP20 with co	'A5225, max. 250 A; lq = 10 kA		
communication module is supported     Yes       • PROFINET standard     Yes       • EtherNet/IP     Yes       • Modbus RTU     Yes       • Modbus RTU     Yes       • Modbus TCP     Yes       • PROFIBUS     Yes       JCSA ratings     Yes       - usable for Standard Faults at 460/480 V according to UL     Siemens type: 3VA5225, max. 250 A; Iq = 10 kA       - usable for Standard Faults at 460/480 V according to UL     Siemens type: 3VA522, 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. 400 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. 400 A; Iq = 10 kA       • at 200/208 V at 50 °C rated value     50 hp       • at 200/208 V at 50 °C rated value     50 hp       • at 460/480 V at 50 °C rated value     100 hp       Electrical Safety     IPO0; IP20 with cover       orotection class IP on the front according to IEC 60529     IPO0; IP20 with cover       orotection class IP on the front according to IEC 60529     IPO0; IP20 with cover       rext     Safety Integrity Level (SIL) according to IEC 61508 relating o ATEX	communication module is supportedYes• PROFINET standardYes• EtherNet/IPYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYes• PROFIBUSYes/CSA ratingsYesmanufacturer's article number• of circuit breaker- usable for Standard Faults at 460/480 V according to ULSiemens type: 3V• of the fuse- usable for High Faults at 460/480 V according to UL- usable for Standard Faults up to 575/600 V according to ULSiemens type: 3V• of the fuse- usable for Standard Faults up to 575/600 V according to ULType: Class RK5- usable for High Faults up to 575/600 V according to ULType: Class RK5• at 200/208 V at 50 °C rated value50 hp50 hp• at 460/480 V at 50 °C rated value50 hp100 hp• at 460/480 V at 50 °C rated value100 hpElectrical Safetyprotection class IP on the front according to IEC 60529IP00; IP20 with cfinger-safe, for vertexSafety Integrity Level (SIL) according to IEC 61508 relating to ATEXSIL1• PFDavg with low demand rate according to IEC 615089E-6 1/h• PFDavg with low demand rate according to IEC 615080.09			
• PROFINET standardYes• EtherNet/IPYes• Modbus RTUYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYes <b>. CSA ratings. Siemens type: 3VA5225, max. 250 A; lq = 10 kA</b> • of circuit breaker- usable for Standard Faults at 460/480 V according to UL- usable for High Faults at 460/480 V according to ULSiemens type: 3VA5225, max. 250 A; lq = 10 kA• of the fuse- usable for Standard Faults up to 575/600 V- usable for Standard Faults up to 575/600 VType: Class RK5 / K5, max. 400 A; lq = 10 kA• of the fuse- usable for High Faults up to 575/600 V- usable for Jing Faults up to 575/600 VType: Class RK5 / K5, max. 400 A; lq = 10 kA• of the fuse- usable for Standard Faults up to 575/600 V- usable for Standard Faults up to 575/600 VType: Class RK5 / K5, max. 400 A; lq = 10 kA• of the fuse- usable for Jing Faults up to 575/600 V- usable for Jing Faults up to 575/600 VType: Class J, max. 350 A; lq = 100 kA• at 220/230 V at 50 °C rated value50 hp• at 220/230 V at 50 °C rated value50 hp• at 480/480 V at 50 °C rated value100 hpElectrical SafetyIPO0; IP20 with coverrotoction class IP on the front according to IEC 60529IPO0; IP20 with coverrotoction on the front according to IEC 61508 relatingSIL1• ATEXPHD with high demand rate according to IEC 61508 relating• PHD with high demand rate according to IEC 615089E-6 1/h	<ul> <li>PROFINET standard Yes</li> <li>EtherNet/IP Yes</li> <li>Modbus RTU Yes</li> <li>Modbus TCP Yes</li> <li>PROFIBUS Yes</li> <li>PROFIBUS Yes</li> <li>CCSA ratings</li> <li>- 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 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 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 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 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 IEC 60529</li> <li>Poto; IP20 with c finger-safe, for vertex to the front according to IEC 61508 relating to ATEX</li> <li>PFHD with high demand rate according to IEC 61508</li> <li>PFHD with low demand rate according to IEC</li></ul>			
EtherNet/IPYesModbus RTUYesModbus TCPYesPROFIBUSYesJCSA ratingsJCSA ratings- usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA5225, max. 250 A; Iq = 10 kA- usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA522, max. 250 A; Iq = 10 kA- usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA52, max. 250 A; Iq = 10 kA- usable for Standard Faults up to 575/600 VSiemens type: 3VA52, max. 250 A; Iq = 10 kA- usable for Standard Faults up to 575/600 VType: Class RK5 / K5, max. 400 A; Iq = 10 kA- usable for Standard Faults up to 575/600 VType: Class RK5 / K5, max. 400 A; Iq = 10 kA- usable for Standard Faults up to 575/600 VType: Class RK5 / K5, max. 400 A; Iq = 10 kA- usable for Standard Faults up to 575/600 VType: Class J, max. 350 A; Iq = 100 kA- usable for Standard Faults up to 575/600 VSi Pho- usable for Standard Faults up to 575/600 VSi Pho- usable for Standard Faults up to 575/600 VType: Class RK5 / K5, max. 400 A; Iq = 10 kA- usable for High Faults up to 575/600 VSi Pho- usable for Standard Faults up to 575/600 VSi Pho- usable for Standard Faults up to 575/600 VSi Pho- usable for High Faults up to 575/600 VSi Pho- usable for Standard Faults up to 575/600 VSi Pho- usable for High Faults up to 575/600 VSi Pho- usable for High Faults up to 575/600 VSi Pho- usable for High Faults up to 575/600 VSi Pho- u	• EtherNet/IPYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYes• PROFIBUSYes/CSA ratings///////////////////////////////			
Modbus RTU     Yes Modbus TCP     Yes	<ul> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>Yes</li> <li>CSA ratings</li> <li>CCSA ratings</li> <li>CCSA ratings</li> <li>CCSA ratiogs</li> <li>Siemens type: 3V</li> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>— usable for Standard Faults up to 575/600 V</li> <li>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 Argen Paults up to 575/600 V according to UL</li> <li>— usable for Standard Faults up to 575/600 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 Argen Paults up to 575/600 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 Type: Class J, matched UL</li> <li>— usable for Argen Paults up to 575/600 V according to Type: Class J, matched UL</li> <li>— usable for Argen Paults up to 575/600 V according to Type: Class J, matched UL</li> <li>— usable for Argen Paults up to 575/600 V according to Type: Class J, matched UL</li> <li>— usable for Argen Paults up to 575/600 V according to Type: Class J, matched UL</li> <li>— usable for Argen Paults up to 575/600 V according to Type: Class J, matched UL</li> <li>— usable for Crated value</li> <li>50 hp</li> <li>• at 260/208 V at 50 °C rated value</li> <li>00 hp</li> <li>Electrical Safety</li> <li>— order Argen Paults at 460/480 V at 50 °C rated value</li> <li>00 hp</li> <li>Electrical Safety Integrity Level (SIL) according to IEC 60529</li> <li>FPHD with high dem</li></ul>			
• Modbus TCPYes• PROFIBUSYesJCSA ratingsmanufacturer's article number• of circuit breaker usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA5225, max. 250 A; lq = 10 kA- usable for High Faults at 460/480 V according to ULSiemens type: 3VA522, max. 250 A; lq = 10 kA• of the fuse usable for Standard Faults up to 575/600 VSiemens type: 3VA52, max. 250 A; lq max = 65 kA• of the fuse usable for High Faults up to 575/600 V according to ULType: Class RK5 / K5, max. 400 A; lq = 10 kA• at 200/208 V at 50 °C rated value50 hp• at 220/230 V at 50 °C rated value50 hp• at 220/230 V at 50 °C rated value100 hpElectrical SafetyInger-safe, for vertical contact from the front according to IEC 60529rotection class IP on the front according to IEC 60529Inger-safe, for vertical contact from the front with covercouch protection on the front according to IEC 60529SIL1PHD with high demand rate according to IEC 61508SIL1PHD with high demand rate according to IEC 61508SIL1	Modbus TCP     PROFIBUS     Yes			
• PROFIBUSYesJCSA ratingsanalfacturer's article number• of circuit breaker	• PROFIBUS       Yes         /CSA ratings         nanufacturer's article number         • of circuit breaker       Siemens type: 3V         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3V         - usable for High Faults at 460/480 V according to UL       Siemens type: 3V         • of the fuse       Type: Class RK5         - usable for Standard Faults up to 575/600 V according to UL       Type: Class RK5         - usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         - usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         - usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         - usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         - usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         - usable for High Faults up to 575/600 V according to ID       Type: Class J, ma         • at 200/208 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       IPO0; IP20 with c         ouch protection on the front according to IEC 60529       IPO0; IP20 with c         ouch protection on the front according to IEC 61508 relating       SIL1         o ATEX       9E-6 1/h <td></td>			
//CSA ratings         manufacturer's article number         • of circuit breaker         — usable for Standard Faults at 460/480 V according to UL         — usable for High Faults at 460/480 V according to UL         • of the fuse         — usable for Standard Faults up to 575/600 V         — usable for Standard Faults up to 575/600 V         — usable for High Faults up to 575/600 V         — 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 Attawate         • at 200/208 V at 50 °C rated value         • at 200/208 V at 50 °C rated value         • at 460/480 V at 50 °C rated value         • at 460/480 V at 50 °C rated value         • at 460/480 V at 50 °C rated value         • at 460/480 V at 50 °C rated value         • at 460/480 V at 50 °C rated value         • at 460/480 V at 50 °C rated value         • at 460/480 V at 50 °C rated value         • at 460/480 V at 50 °C rated value	/CSA ratings         manufacturer's article number         • of circuit breaker         — usable for Standard Faults at 460/480 V according to UL         — usable for High Faults at 460/480 V according to UL         — usable for Standard Faults 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 Type: Class J, ma         UL       — usable for Attex         operating power [hp] for 3-phase motors         • at 200/208 V at 50 °C rated value       50 hp         • at 220/230 V at 50 °C rated value       100 hp         Electrical Safety       IP00; IP20 with c         orotection class IP on the front according to IEC 60529       IP00; IP20 with c         ouch protection on the front according to IEC 61508 relating to ATEX       Sil 1         PFHD wit			
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         - usable for High Faults at 460/480 V according to UL       Siemens type: 3VA52, max. 250 A; lq max = 65 kA         • 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       Type: Class RK5 / K5, max. 400 A; lq = 10 kA         - usable for High Faults up to 575/600 V according to UL       Type: Class J, max. 350 A; lq = 100 kA         - usable for High Faults up to 575/600 V according to UL       Type: Class J, max. 350 A; lq = 100 kA         - usable for High Faults up to 575/600 V according to UL       Type: Class J, max. 350 A; lq = 100 kA         • at 200/208 V at 50 °C rated value       50 hp         • at 420/230 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       IPO0; IP20 with cover         ouch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front with cover         Example three type to the forst according to IEC 61508 relating of ATEX       SIL1	nanufacturer's article number       • of circuit breaker         — usable for Standard Faults at 460/480 V according to UL       Siemens type: 3V         — usable for High Faults at 460/480 V according to UL       Siemens type: 3V         • of the fuse       — usable for Standard Faults up to 575/600 V       Type: Class RK5         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         — usable for High Faults up to 575/600 V according to UL       Type: Class J, ma         — usable for High Faults up to 575/600 V according to Type: Class J, ma       Type: Class J, ma         Deperating power [hp] for 3-phase motors       •         • at 200/208 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       IP00; IP20 with c         orotection class IP on the front according to IEC 60529       IP00; IP20 with c         ouch protection on the front according to IEC 61508 relating o ATEX       SiL1         PFHD with high demand rate according to IEC			
• of circuit breakerSiemens type: 3VA5225, max. 250 A; Iq = 10 kA usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA522, max. 250 A; Iq = 10 kA usable for High Faults at 460/480 V according to ULSiemens type: 3VA52, max. 250 A; Iq max = 65 kA• of the fuseType: Class RK5 / K5, max. 400 A; Iq = 10 kA usable for Standard Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according to IEC 60529Type: Class J, max. 350 A; Iq = 100 kA etat 460/480 V at 50 °C rated value50 hp at 460/480 V at 50 °C rated value100 hp etat 460/480 V at 50 °C rated value1P00; IP20 with cover oucch protection on the front according to IEC 60529IP00; IP20 with cover oucch protection on the front according to IEC 61508 relating of ATEXSIL1 etat ACC	of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>of the fuse</li></ul>			
• of circuit breakerSiemens type: 3VA5225, max. 250 A; Iq = 10 kA usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA522, max. 250 A; Iq = 10 kA usable for High Faults at 460/480 V according to ULSiemens type: 3VA52, max. 250 A; Iq max = 65 kA• of the fuseType: Class RK5 / K5, max. 400 A; Iq = 10 kA usable for Standard Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according toType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according to 100 hp50 hp at 200/208 V at 50 °C rated value50 hp at 460/480 V at 50 °C rated value100 hp etterical SafetyIP00; IP20 with cover outch protection on the front according to IEC 60529IP00; IP20 with cover outch protection on the front according to IEC 61508 relating of ATEXSIL1 Etterical Safety	• of circuit breaker         Siemens type: 3V           usable for Standard Faults at 460/480 V according to UL         Siemens type: 3V           usable for High Faults at 460/480 V according to UL         Siemens type: 3V           • of the fuse			
usable for Standard Faults at 460/480 V according to UL.Siemens type: 3VA5225, max. 250 A; Iq = 10 kA usable for High Faults at 460/480 V according to ULSiemens type: 3VA52, max. 250 A; Iq max = 65 kA outsable for Standard Faults up to 575/600 V according to UL.Type: Class RK5 / K5, max. 400 A; Iq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; Iq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; Iq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; Iq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; Iq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; Iq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; Iq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 575/600 V according to 10 AType: Class J, max. 350 A; Iq = 100 kA usable for High Faults up to 50°C rated value50 hp• at 200/208 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value100 hp• at 460/480 V at 50 °C rated value100 hp• at 460/480 V at 50 °C rated value100 hp• at 460/480 V at 50 °C rated value100 hp• at 460/480 V at 50 °C rated value100 hp• at 460/480 V at 50 °C rated value100 hp• at 460/480 V at 50 °C rated value100 hp• at	usable for Standard Faults at 460/480 V according to ULSiemens type: 3V usable for High Faults at 460/480 V according to ULSiemens type: 3V• of the fuse usable for Standard Faults up to 575/600 V according to ULType: Class RK5 usable for High Faults up to 575/600 V according to ULType: Class J, ma usable for High Faults up to 575/600 V according to ULType: Class J, ma usable for High Faults up to 575/600 V according to ULType: Class J, ma usable for High Faults up to 575/600 V according to ULType: Class J, ma usable for High Faults up to 575/600 V according to ULType: Class J, ma usable for High Faults up to 575/600 V according to ULType: Class J, ma usable for High Faults up to 575/600 V according to UL50 hp usable for High Faults up to 575/600 V according to UL50 hp usable for High Faults up to 575/600 V according to IEC 60529IP00; IP20 with c usable for High Faults up to 575/600 V according to IEC 60529IP00; IP20 with c usable for High Font according to IEC 61508 relating to ATEXSIL 1 usable for High Font according to IEC 615089E-6 1/h usable for High for ATEX			
usable for High Faults at 460/480 V according to UL.Siemens type: 3VA52, max. 250 A; lq max = 65 kA• of the fuseType: Class RK5 / K5, max. 400 A; lq = 10 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; lq = 100 kA usable for High Faults up to 575/600 V according to ULType: Class J, max. 350 A; lq = 100 kAoperating power [hp] for 3-phase motors50 hp• at 200/208 V at 50 °C rated value50 hp• at 220/230 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value100 hpElectrical SafetyIP00; IP20 with coverorotection class IP on the front according to IEC 60529finger-safe, for vertical contact from the front with coverrexSafety Integrity Level (SIL) according to IEC 61508 relating to ATEXSIL1PFHD with high demand rate according to IEC 615089E-6 1/h	— usable for High Faults at 460/480 V according to ULSiemens type: 3V• of the fuse—— usable for Standard Faults up to 575/600 V according to ULType: Class RK5— usable for High Faults up to 575/600 V according to ULType: Class J, maoperating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value50 hp• at 220/230 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value100 hp• electrical Safety—• protection class IP on the front according to IEC 60529IP00; IP20 with c• oATEXSIL1• PFHD with high demand rate according to IEC 61508 relating to ATEXSIL1• PFDavg with low demand rate according to IEC 61508 relating to ATEX0.09	A52, max. 250 A; lg max = 65 kA		
• of the fuse         Type: Class RK5 / K5, max. 400 A; Iq = 10 kA	• of the fuse         — usable for Standard Faults up to 575/600 V         Type: Class RK5           — usable for High Faults up to 575/600 V according to         Type: Class J, ma           — usable for High Faults up to 575/600 V according to         Type: Class J, ma           Operating power [hp] for 3-phase motors         • at 200/208 V at 50 °C rated value         50 hp           • at 220/230 V at 50 °C rated value         50 hp         50 hp           • at 460/480 V at 50 °C rated value         100 hp         Electrical Safety           porotection class IP on the front according to IEC 60529         IP00; IP20 with content of finger-safe, for vertice to an the front according to IEC 61508           Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX         SIL1           PFHD with high demand rate according to IEC 61508         9E-6 1/h           PFDavg with low demand rate according to IEC 61508         0.09			
according to UL       — usable for High Faults up to 575/600 V according to UL       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       50 hp         • at 220/230 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       —         protection class IP on the front according to IEC 60529       IP00; IP20 with cover         finger-safe, for vertical contact from the front with cover       Type: Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX         PFHD with high demand rate according to IEC 61508       SIL1	according to ULType: Class J, ma— usable for High Faults up to 575/600 V according to ULType: Class J, maoperating power [hp] for 3-phase motors50 hp• at 200/208 V at 50 °C rated value50 hp• at 220/230 V at 50 °C rated value50 hp• at 460/480 V at 50 °C rated value100 hpElectrical SafetyIP00; IP20 with cprotection class IP on the front according to IEC 60529IP00; IP20 with ctouch protection on the front according to IEC 61508SIL1Safety Integrity Level (SIL) according to IEC 61508 relating to ATEXPFHD with high demand rate according to IEC 61508 PFDavg with low demand rate according to IEC 61508 relating to ATEX			
UL     Image: Section of the front according to IEC 60529     50 hp       etat     100 hp	UL       UL         operating power [hp] for 3-phase motors       50 hp         • at 200/208 V at 50 °C rated value       50 hp         • at 220/230 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       100 hp         protection class IP on the front according to IEC 60529       IP00; IP20 with c         touch protection on the front according to IEC 60529       finger-safe, for veret         TEX       Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h         relating to ATEX       0.09			
<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> <li>at 460/480 V at 50 °C rated value</li> <li>100 hp</li> </ul> Electrical Safety 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 TEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PFHD with high demand rate according to IEC 61508 9E-6 1/h	• at 200/208 V at 50 °C rated value         50 hp           • at 220/230 V at 50 °C rated value         50 hp           • at 460/480 V at 50 °C rated value         100 hp           • at 460/480 V at 50 °C rated value         100 hp           Electrical Safety         100 hp           protection class IP on the front according to IEC 60529         IP00; IP20 with c           touch protection on the front according to IEC 60529         finger-safe, for vertex           Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX         SIL1           PFHD with high demand rate according to IEC 61508         9E-6 1/h           PFDavg with low demand rate according to IEC 61508         0.09	ıx. 350 A; lq = 100 kA		
• at 220/230 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       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         TEX       Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1	• at 220/230 V at 50 °C rated value       50 hp         • at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       100 hp         protection class IP on the front according to IEC 60529       IP00; IP20 with control finger-safe, for vertice touch protection on the front according to IEC 60529         Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h         PFDavg with low demand rate according to IEC 61508       0.09			
• at 460/480 V at 50 °C rated value       100 hp         Electrical Safety       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         TEX       Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h	• at 460/480 V at 50 °C rated value         100 hp           Electrical Safety         IP00; IP20 with control class IP on the front according to IEC 60529         IP00; IP20 with control class IP on the front according to IEC 60529           touch protection on the front according to IEC 60529         finger-safe, for vertex of the front according to IEC 61508 relating to ATEX           Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX         SIL1           PFHD with high demand rate according to IEC 61508         9E-6 1/h           PFDavg with low demand rate according to IEC 61508         0.09			
Electrical Safety       IP00; IP20 with cover         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         TEX       Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h	Electrical Safety       IP00; IP20 with cr         protection class IP on the front according to IEC 60529       IP00; IP20 with cr         touch protection on the front according to IEC 60529       finger-safe, for ver         TEX       Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h         PFDavg with low demand rate according to IEC 61508       0.09	50 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         TEX       Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h	protection class IP on the front according to IEC 60529IP00; IP20 with control touch protection on the front according to IEC 60529touch protection on the front according to IEC 60529finger-safe, for vertical finger-safe, for			
Tex       Finger-safe, for vertical contact from the front with cover         Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h	Tex       Tinger-safe, for vertication on the front according to IEC 60529       finger-safe, for vertication on the front according to IEC 61508 relating         Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h         PFDavg with low demand rate according to IEC 61508       0.09         relating to ATEX       0.09			
TEX         Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX         PFHD with high demand rate according to IEC 61508 relating to ATEX         9E-6 1/h	TEX         Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX       SIL1         PFHD with high demand rate according to IEC 61508       9E-6 1/h         PFDavg with low demand rate according to IEC 61508       0.09         relating to ATEX       0.09	over		
Safety Integrity Level (SIL) according to IEC 61508 relating       SIL1         to ATEX       9E-6 1/h         relating to ATEX       9E-6 1/h	Safety Integrity Level (SIL) according to IEC 61508 relating to ATEXSIL1PFHD with high demand rate according to IEC 61508 relating to ATEX9E-6 1/hPFDavg with low demand rate according to IEC 61508 relating to ATEX0.09	finger-safe, for vertical contact from the front with cover		
to ATEX PFHD with high demand rate according to IEC 61508 9E-6 1/h relating to ATEX	to ATEX       9E-6 1/h         PFHD with high demand rate according to IEC 61508       9E-6 1/h         relating to ATEX       0.09         relating to ATEX       0.09			
relating to ATEX	relating to ATEX       0.09         PFDavg with low demand rate according to IEC 61508       0.09         relating to ATEX       0.09			
PFDavg with low demand rate according to IEC 61508 0.09	relating to ATEX			
relating to ATEX	hardware fault tolerance according to IEC 61508 relating to 0			
hardware fault tolerance according to IEC 61508 relating to 0 ATEX				
T1 value for proof test interval or service life according to 3 a IEC 61508 relating to ATEX	IEC 61508 relating to ATEX			
certificate of suitability	-			
	• ATEX Yes			
	• IECEx Yes			
• IECEx Yes	• UKEX Yes			
ECEx     Yes     UKEX     Yes	pprovals Certificates			
• ATEY Ves	• IECEx Yes			
• ATEX Yes	• IECEx Yes			
• IECEx Yes				
ECEx     Yes     UKEX     Yes	pprovals Certificates			

EHC	<u>KC</u>	IECEx	ATEX ATEX	<u>Miscellaneous</u>	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping			other	Environment	
ABS	Llovds Register us	PRS	<u>Confirmation</u>	Siemens EcoTech	EPD
Environment					
Further information Information on the pac	kaging				
https://support.industry.s Information- and Down https://www.siemens.cor Industry Mall (Online o https://mall.industry.siem	<u>iemens.com/cs/ww/en/vie</u> loadcenter (Catalogs, E <u>n/ic10</u> rdering system)	Brochures,)	V5056-6AB14		
Cax online generator			g=en&mlfb=3RW5056-6A	B14	
Service&Support.industry.s	uals, Certificates, Chara	acteristics, FAQs,)			
	ct images, 2D dimensio	on drawings, 3D mode	els, device circuit diagra 6-6AB14⟨=en	ams, EPLAN macros,)	
Characteristic: Tripping	g characteristics, I <sup>2</sup> t, Le	t-through current	•		
Characteristic: Installation altitude http://www.automation.sjemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5056-6AB14&objecttype=14&gridview=view1					
Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917					







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