## SIEMENS

## Data sheet

## 3RW5536-2HA06



SIRIUS soft starter 200-690 V 171 A, 24 V AC/DC spring-type terminals

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	<u>3RW5950-0CH00</u>
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2325-7MN32-0AA0: Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	<u>3NA3365-6; 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>3NE1230-0; 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>3NE3334-0B: Type of coordination 2. Iq = 65 kA</u>
General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
stopping torque [%]	10 100 %
torque limitation [%]	20 200 %
current limiting value [%] adjustable	125 800 %
breakaway voltage [%] adjustable	40 100 %
breakaway time adjustable	0 2 s
number of parameter sets	3

accuracy class acc. to IEC 61557-12	5 %
certificate of suitability	
CE marking	Yes
<ul> <li>UL approval</li> </ul>	Yes
CSA approval	Yes
product component	
HMI-High Feature	Yes
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
recovery time after overload trip adjustable	60 1 800 s
buffering time in the event of power failure	
<ul> <li>for main current circuit</li> </ul>	100 ms
for control circuit	100 ms
idle time adjustable	0 255 s
insulation voltage rated value	690 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	8 kV
blocking voltage of the thyristor maximum	1 800 V
service factor	1.15
surge voltage resistance rated value	8 kV
maximum permissible voltage for safe isolation	
<ul> <li>between main and auxiliary circuit</li> </ul>	690 V; does not apply for thermistor connection
utilization category acc. to IEC 60947-4-2	AC 53a
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	Q 15.02.2018 00:00:00
Substance Prohibitance (Date) product function	15.02.2018 00:00:00
Substance Prohibitance (Date) product function • ramp-up (soft starting)	15.02.2018 00:00:00 Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop)	15.02.2018 00:00:00 Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse	15.02.2018 00:00:00 Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation	15.02.2018 00:00:00 Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation	15.02.2018 00:00:00 Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection         • inside-delta circuit	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection         • inside-delta circuit         • auto-RESET	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection         • inside-delta circuit         • auto-RESET         • manual RESET	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection         • inside-delta circuit         • auto-RESET         • manual RESET         • remote reset	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • motor othermistor motor protection         • auto-RESET         • manual RESET         • remote reset         • communication function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection         • inside-delta circuit         • auto-RESET         • remote reset         • communication function         • operating measured value display	15.02.2018 00:00:00Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)Yes; Type A PTC or Klixon / ThermoclickYes; Only up to 600 V operating voltageYesYesYesYesYesYesYesYesYesYesYes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection         • inside-delta circuit         • auto-RESET         • remote reset         • communication function         • operating measured value display         • event list	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • evaluation of thermistor motor protection         • inside-delta circuit         • auto-RESET         • remote reset         • communication function         • operating measured value display         • event list         • error logbook	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • motor overload protection         • auto-RESET         • remote reset         • communication function         • operating measured value display         • event list         • error logbook         • via software parameterizable	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • motor overload protection         • auto-RESET         • manual RESET         • remote reset         • communication function         • operating measured value display         • event list         • error logbook         • via software parameterizable         • via software configurable	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date)         product function         • ramp-up (soft starting)         • ramp-down (soft stop)         • breakaway pulse         • adjustable current limitation         • creep speed in both directions of rotation         • pump ramp down         • DC braking         • motor heating         • slave pointer function         • trace function         • intrinsic device protection         • motor overload protection         • motor overload protection         • auto-RESET         • manual RESET         • remote reset         • communication function         • operating measured value display         • event list         • error logbook         • via software parameterizable         • via software configurable	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes

	Feature communication modules
firmware update	Yes
removable terminal for control circuit	Yes
• voltage ramp	Yes
• torque control	Yes
combined braking	Yes
<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V
<ul> <li>programmable control inputs/outputs</li> </ul>	Yes
condition monitoring	Yes
automatic parameterisation	Yes
<ul> <li>application wizards</li> </ul>	Yes
<ul> <li>alternative run-down</li> </ul>	Yes
<ul> <li>emergency operation mode</li> </ul>	Yes
<ul> <li>reversing operation</li> </ul>	Yes
<ul> <li>soft starting at heavy starting conditions</li> </ul>	Yes
Power Electronics	
operational current	
• at 40 °C rated value	171 A
<ul> <li>at 40 °C rated value minimum</li> </ul>	34 A
● at 50 °C rated value	153 A
• at 60 °C rated value	141 A
operational current at inside-delta circuit	
• at 40 °C rated value	296 A
• at 50 °C rated value	265 A
at 60 °C rated value	244 A
operating voltage	
rated value	200 690 V
at inside-delta circuit rated value	200 600 V
relative negative tolerance of the operating voltage	-15 % 10 %
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at	-15 %
inside-delta circuit	-13 /0
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	45 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	90 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	90 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	160 kW
<ul> <li>at 500 V at 40 °C rated value</li> </ul>	110 kW
• at 500 V at inside-delta circuit at 40 °C rated value	200 kW
at 690 V at 40 °C rated value	160 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 % 10 %; Relative to set le
minimum load [%] power loss [W] for rated value of the current at AC	
at 40 °C after startup	51 W
• at 50 °C after startup	46 W
• at 60 °C after startup	42 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	2 393 W
• at 50 °C during startup	2 038 W
• at 60 °C during startup	1 814 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	

	0414
at 50 Hz rated value	24 V
at 60 Hz rated value     relative negative tolerance of the control supply	24 V -20 %
voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply voltage	
at DC rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	440 mA
holding current in bypass operation rated value	870 mA
locked-rotor current at close of bypass contact maximum	6.3 A
inrush current peak at application of control supply voltage maximum	7.5 A
duration of inrush current peak at application of control supply voltage	20 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	····· · · · · · · · · · · · · · · · ·
Inputs/ Outputs number of digital inputs	4
number of digital inputs	4
<ul><li>number of digital inputs</li><li>parameterizable</li></ul>	4 4
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs	4 4 1; Type A PTC or Klixon / Thermoclick 4 3
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO)
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs	4 4 1: Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value	4 4 1: Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/mounting/dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • upwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • downwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         oforwards         ownwards         odownwards         odownwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5 mm
number of digital inputs         • parameterizable         number of inputs for thermistor connection         • number of digital outputs         • number of digital outputs parameterizable         • number of digital outputs not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5 mm

<ul> <li>for control circuit</li> </ul>	spring-loaded 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
• with conductor cross-section = 1.5 mm <sup>2</sup> maximum	150 m
<ul> <li>with conductor cross-section = 1.5 mm maximum</li> <li>with conductor cross-section = 2.5 mm² maximum</li> </ul>	250 m
	230 11
type of connectable conductor cross-sections	0 (40 05
for DIN cable lug for main contacts stranded	2x (16 95 mm <sup>2</sup> )
for DIN cable lug for main contacts finely stranded	2x (25 120 mm²)
type of connectable conductor cross-sections	
<ul> <li>for control circuit solid</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>for control circuit finely stranded with core end</li> </ul>	2x (0.25 1.5 mm²)
processing	0 (04 40)
at AWG cables for control circuit solid	2x (24 16)
<ul> <li>at AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
<ul> <li>at the digital inputs at DC maximum</li> </ul>	1 000 m
tightening torque	
for main contacts with screw-type terminals	10 14 N·m
	0.8 1.2 N·m
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.0 1.2 IN III
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	2 000 m; Derating as of 1000 m, see catalog
ambient temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C
environmental category	
• during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
<ul> <li>during storage acc. to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
during transport acc. to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
<ul> <li>PROFINET high-feature</li> </ul>	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA52, 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
<ul> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
<ul> <li>usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; lq max = 65 kA
<ul> <li>— usable for Standard Faults at 575/600 V according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq = 10 kA

<ul> <li>— usable for High Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— usable for Standard Faults at 575/600 V at	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
inside-delta circuit according to UL	
of the fuse	
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 400 A; lq = 10 kA
<ul> <li>— usable for High Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 350 A; Iq = 100 kA
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 400 A; lq = 10 kA
<ul> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 350 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
at 200/208 V at 50 °C rated value	50 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	50 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	100 hp
• at 575/600 V at 50 °C rated value	150 hp
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated</li> </ul>	75 hp
value <ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated</li> </ul>	100 hp
value	
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	200 hp
<ul> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>	250 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front acc. to IEC 60529	IP00; IP20 with cover
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with cover
electromagnetic compatibility	acc. to IEC 60947-4-2
ATEX	
ATEX certificate of suitability	
ATEX certificate of suitability • ATEX	Yes
ATEX certificate of suitability • ATEX • IECEx	Yes Yes
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU	Yes Yes BVS 18 ATEX F 003 X
ATEX certificate of suitability • ATEX • IECEx	Yes Yes
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db],
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0
ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008
ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h
ATEX         certificate of suitability         • ATEX         • IECEx         • according to ATEX directive 2014/34/EU         type of protection according to ATEX directive 2014/34/EU         hardware fault tolerance acc. to IEC 61508 relating to ATEX         PFDavg with low demand rate acc. to IEC 61508 relating to ATEX         PFHD with high demand rate acc. to EN 62061 relating to ATEX         Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX         T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1
ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1 3 y
ATEX         certificate of suitability         • ATEX         • IECEx         • according to ATEX directive 2014/34/EU         type of protection according to ATEX directive 2014/34/EU         hardware fault tolerance acc. to IEC 61508 relating to ATEX         PFDavg with low demand rate acc. to IEC 61508 relating to ATEX         PFHD with high demand rate acc. to EN 62061 relating to ATEX         Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX         T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX	Yes Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX PFHD with high demand rate acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1 3 y EMC. For use in hazard-
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX PFHD with high demand rate acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1 3 y EMC. For use in hazard-
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX PFHD with high demand rate acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	Yes         BVS 18 ATEX F 003 X         II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]         0         0         0.008         0.0000005 1/h         SIL1         3 y         For use in hazard-ous locations
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX PFHD with high demand rate acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1 3 y EMC. For use in hazard-
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX PFHD with high demand rate acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	Yes         BVS 18 ATEX F 003 X         II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]         0         0         0.008         0.0000005 1/h         SIL1         3 y         For use in hazard-ous locations
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX PFHD with high demand rate acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	Yes         BVS 18 ATEX F 003 X         II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]         0         0         0.008         0.0000005 1/h         SIL1         3 y         For use in hazard-ous locations
ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals General Product Approval CCC	Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1 3 y EMC For use in hazard- ous locations EMC EMC EMC EMC EMC EMC EMC EMC EMC EMC
ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX PFHD with high demand rate acc. to IEC 61508 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] 0 0.008 0.0000005 1/h SIL1 3 y EMC For use in hazard- ous locations EMC EMC EMC EMC EMC EMC EMC EMC EMC EMC





Type Test Certificates/Test Report







other

Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5536-2HA06

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5536-2HA06

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW5536-2HA06

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5536-2HA06&lang=en

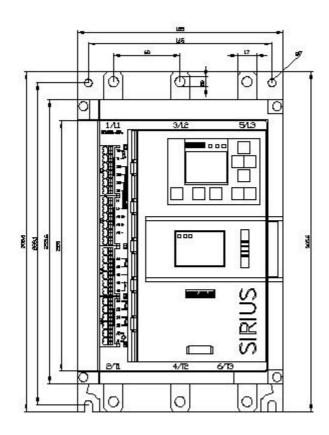
Characteristic: Tripping characteristics, I2t, Let-through current

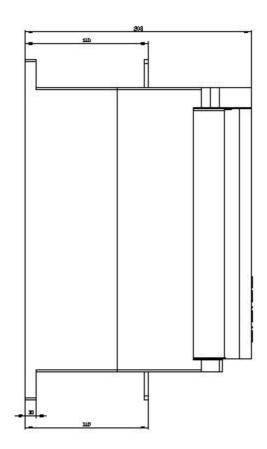
https://support.industry.siemens.com/cs/ww/en/ps/3RW5536-2HA06/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5536-2HA06&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917







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