# **SIEMENS**

Data sheet 3RW5558-2HA04



SIRIUS soft starter 200-480 V 1280 A, 24 V AC/DC Spring-type terminals

Figure similar

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>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
• of communication module PROFINET high-feature usable	3RW5950-0CH00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2716-7AB05-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2716-7AB05-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3x3NA3365-6; 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>	3NB3357-1KK26: Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3x3NE3340-8; Type of coordination 2, Iq = 65 kA
Seneral technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
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	5 (based on IEC 61557-12)
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	Yes
• is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes

number of controlled phases	3
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
buffering time in the event of power failure	
for main current circuit	100 ms
• for control circuit	100 ms
idle time adjustable	0 255 s
insulation voltage rated value	480 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 400 V
service factor	1.15
	6 kV
maximum permissible voltage for protective separation	O KV
	480 V; does not apply for thermistor connection
between main and auxiliary circuit	
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz
recovery time after overload trip adjustable	60 1 800 s
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/11/2019
product function	Ÿ.
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
breakaway pulse	Yes
<ul> <li>adjustable current limitation</li> </ul>	Yes
<ul> <li>creep speed in both directions of rotation</li> </ul>	Yes
<ul><li>pump ramp down</li></ul>	Yes
DC braking	Yes
<ul><li>motor heating</li></ul>	Yes
<ul> <li>slave pointer function</li> </ul>	Yes
trace function	Yes
<ul> <li>intrinsic device protection</li> </ul>	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick
• inside-delta circuit	Yes
• auto-RESET	Yes
• manual RESET	Yes
• remote reset	Yes
communication function	Yes
operating measured value display	Yes
• event list	Yes
• error logbook	Yes
via software parameterizable	Yes
via software configurable	Yes
screw terminal	No
spring-loaded terminal	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-Feature communication modules
firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
voltage ramp	Yes
torque control	Yes
combined braking	Yes
analog output	Yes; 4 20 mA (default) / 0 10 V
	Yes; 4 20 mA (default) / 0 10 V Yes
programmable control inputs/outputs	
	Yes

a like we at it is a way a day we	Van
alternative run-down	Yes
emergency operation mode	Yes Yes
reversing operation	
soft starting at heavy starting conditions     Power Electronics	Yes
operational current	4 000 4
at 40 °C rated value	1 280 A
at 40 °C rated value minimum	256 A
at 50 °C rated value	1 139 A
at 60 °C rated value	1 030 A
operational current at inside-delta circuit	0.047.4
at 40 °C rated value	2 217 A
at 50 °C rated value	1 973 A
at 60 °C rated value	1 784 A
operating voltage	200 400 \
• rated value	200 480 V
at inside-delta circuit rated value  relative regative telegrapes of the energing veltage.	200 480 V
relative negative telerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	400 kW
• at 230 V at inside-delta circuit at 40 °C rated value	710 kW
• at 400 V at 40 °C rated value	710 kW
• at 400 V at inside-delta circuit at 40 °C rated value	1 200 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 %
minimum load [%]	10 %; Relative to set le
power loss [W] for rated value of the current at AC	
<ul> <li>at 40 °C after startup</li> </ul>	384 W
<ul> <li>at 50 °C after startup</li> </ul>	337 W
at 60 °C after startup	275 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	23 279 W
• at 50 °C during startup	19 496 W
at 60 °C during startup	16 778 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
relative negative tolerance of the control supply 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	-20 %
researce megacite constance of the control supply voltage at	LU /U

DC	20.07
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	1 100 mA
inrush current by closing the bypass contacts maximum	6.7 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	
number of digital inputs	4
parameterizable	4
• number of digital outputs	4
<ul> <li>number of digital outputs parameterizable</li> </ul>	3
number of digital outputs not parameterizable	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
at AC-15 at 250 V rated value     at DC 43 at 24 V rated value	3 A
at DC-13 at 24 V rated value  Installation/magnitude/dimensions	1A
Installation/ mounting/ dimensions	Variable (see he vatated 1/ 00° and titled forwards 1/ 1/ 00° 50°
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	764 mm 478 mm
width	4/8 mm 241 mm
depth required spacing with side-by-side mounting	271 11111
forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
at the side	5 mm
weight without packaging	61 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
• for control circuit	spring-loaded terminals
width of connection bar maximum	55 mm
wire length for thermistor connection	
• with conductor cross-section = 0.5 mm² maximum	50 m
• with conductor cross-section = 1.5 mm² maximum	150 m
• with conductor cross-section = 2.5 mm² maximum	250 m
type of connectable conductor cross-sections	
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (50 240 mm²)
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)
type of connectable conductor cross-sections	
for control circuit solid	2x (0.25 1.5 mm²)
for control circuit finely stranded with core end processing	2x (0.25 1.5 mm²)
for AWG cables for control circuit solid	2x (24 16)
for AWG cables for control circuit finely stranded with core end processing	2x (24 16)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
at the digital inputs at DC maximum	1 000 m
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	20 35 N·m

# for auxiliary and control contacts with screw-type terminals  # for any contacts with screw-type terminals  # for auxiliary and control contacts with screw-type terminals  # for auxiliary and control contacts with screw-type terminals  # for auxiliary and control contacts with screw-type terminals  # for auxiliary and control contacts with screw-type terminals  # for auxiliary and control contacts with screw-type terminals  # for auxiliary and control contacts with screw-type terminals  # for auxiliary and control contacts with screw-type terminals  # during contacts with screw-type terminals  # during stonge and transport  # during stonge and transport  # during stonge according to IEC 60721  # during stonge accor		
* For main contacts with screw-type ferminals * For auxiliary and control contacts with screw-type * For main and control contacts with screw-type * For main and the property of the property	, , , , , , , , , , , , , , , , , , , ,	0.8 1.2 N·m
**Note of examinary and control contacts with seriew-type berminals so attailation at helight above sea level maximum statististion attailation attail	tightening torque [lbf·in]	
Ambient conditions  installation attitude at height above sea level maximum  ambient temperature  • during operation  • during operation according to IEC 60721  • during storage and transport  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  * during transport according to IEC 60721  * during transport according to IEC 60721  * EMC emitted interference  * Communication Protocol  * Communication Protocol  * PROFINET standard  • PROFIN	• for main contacts with screw-type terminals	177 310 lbf·in
installation altitude at height above sea level maximum ambient temperature  • Juring operation • Juring operation • Juring operation according to IEC 60721 • Juring storage according to IEC 60721 • PROFINET standard • PROFINET st		7 10.3 lbf-in
Installation attitude at height above sea level maximum ambient temperature   • curing operation  • curing operation  • curing operation actory  • curing storage and transport  • during storage according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721   * during storage according to IEC 60721   * during transport according to IEC 60721   * EMC emitted interference   * Communication [Protocol   * Communication Frotocol   * PROFINET standard  • PROFINET standard		
### Auding storage and transport ### Auding storage according to IEC 60721 ### Auding storage according storage according to IEC 60721 ### Auding storage according storage according to IEC 60721 ### Auding storage according stor	Ambient conditions	
- during operation - during storage and transport - during storage and transport - during storage and transport - during storage according to IEC 60721 - during transport according to IEC 60721 - during transport according to IEC 60721 - during storage according storage according to IEC 60721 - during storage according storage ac	installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
environmental category  * during storage and transport  * during storage according to IEC 60721  * during transport according to IEC 60721  * EMC emitted interference  * during transport according to IEC 60721  * during transport according to IEC	ambient temperature	
environmental category  • during storage according to IEC 60721  • during storage according to IEC 60721  **Ouring storage according to IEC 60721  **End entited interference  **Communication/Protocol  **Communication/Protocol  **Communication/Protocol  **Communication/Protocol  **Communication/Protocol  **Communication/Protocol  **Communication/Protocol  **Communication/Protocol  **Communication/Protocol  **PROFINET standard  • PROFINET standard  • Profined standard standard standard  • PROFINET standard  •	during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
• during operation according to IEC 60721     • during storage according to IEC 60721     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX     • during transport according to IEC 61508 relating to ATEX	during storage and transport	-40 +80 °C
(aand must not get into the devices.). 3M6  • during storage according to IEC 60721  • during transport according to IEC 60721  242, 22C, 12, 381, 2M2 (max. fall height 0.3 m)  EMC emitted interference  ecc. to IEC 60947-4-2: Class A  Communication/19705-001  EMC emitted interference  • PROFINET standard  • PROFINET standard  • PROFINET standard  • PROFINET ingl-fleature  • EhienNeil/P  • Modous RTU  • Modous RTU  • Modous RTU  • PROFIBUS  manufacturer's article number  • 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 High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Fault sincital effect circuit up to 575/600 V according to UL  — usable for High Fault sincital effect circuit up to 575/600 V according to UL  — usable of High Faults at inside-delta circuit up to 575/600 V according to UL  — usable of High Faults at inside-delta circuit up to 575/600 V according to UL  — usable of High Faults at inside-delta circuit up to 575/600 V according to UL  — usable of High Faults at inside-delta circuit up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to UL  — usable of High Faults up to 575/600 V according to	environmental category	
oduring storage according to IEC 60721	<ul> <li>during operation according to IEC 60721</li> </ul>	
Inside the devices , 1MA		
EMC emitted interference   acc. to IEC 60721   2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	<ul> <li>during storage according to IEC 60721</li> </ul>	
EMC emitted interference    Communication Protocol	e during transport according to IEC 60721	
Communication Models is supported  PROFINET standard PROFINET standard PROFINET standard PROFINET standard PROFINET standard Profined STU Models TU Yes Hoddous TU Yes PROFINES  INJUGES A ratings  INJUGES A rati		i i i i i i i i i i i i i i i i i i i
communication module is supported PROFINET standard PROFINET PROFINUS PROFINUS PROFINUS PROFINUS PROFINUS PROFINUS  JUCSA ratings  manufacturer's article number of the fuse  — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at Inside-delta circuit at 50 °C rated value  — at 220/230 V at Inside-delta circuit at 50 °C rated value  — at 220/230 V at Inside-delta circuit at 50 °C rated value  — at 220/230 V at Inside-delta circuit at 50 °C rated value  — at 220/230 V at Inside-delta circuit at 50 °C rated value  — at 220/230 V at Inside-delta circuit at 50 °C rated value  — at 220/230 V at Inside-delta circuit at 50 °C rated value  — at 220/230 V at Inside-delta circuit at 50 °C rated value	1 1111 11 11 11	acc. to IEC 00347-4-2. Class A
PROFINET standard     PROFINET high-relature     PROFINET high-relature     PROFINET high-relature     Modbus RTU     Modbus RTU     PROFIBUS		
	• •	V
EtherNet/IP     Modebus RTU     Modebus TCP     PROFIBUS     Yes     PROFIBUS     Yes  UUCSA ratings manufacturer's article number     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 at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 460/480 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V at inside-delta circuit at 50 °C rated value     at 200/208 V		
Modbus RTU  Modbus TCP  PROFIBUS  Wes  PROFIBUS  Manufacturer's article number  of the fuse  — usable for Standard Faults up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  Operating power [Inp] for 3-phase motors  at 200/230 V at 50° C rated value  at 200/230 V at 50° C rated value  at 460/480 V at 50° C rated value  at 200/230 V at inside-delta circuit at 50° C rated value  at 200/230 V at inside-delta circuit at 50° C rated value  at 200/230 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  at 460/480 V at inside-delta circuit at 50° C rated value  a	-	
PROFIBUS PROFIBUS PROFIBUS PROFIBUS PROFIBUS  PROFIBUS  **PROFIBUS  **PROFIBUS  **PROFIBUS  **PROFIBUS  **PROFIBUS  **Pres  **PROFIBUS  **Pres  **PROFIBUS  **Pres  **		
■ PROFIBUS  ULCSA ratings  manufacturer's article number  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 at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  Operating power (hp) for 3-phase motors  ■ at 200/208 V at 50 °C rated value  ■ at 220/230 V at 50 °C rated value  ■ at 480/480 V at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 480/480 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at inside-delta circuit at 50 °C rated value  ■ at 220/230 V at 50 °C		
manufacturer's article number  • 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 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 at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  Operating power (hp) for 3-phase motors  • at 200/200 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 240/230 V at inside-delta circuit at 50 °C rated value  • at 240/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 200/230 V at inside-delta circuit at 50 °C rated value  • at 200/230 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at inside-delta circuit at 50 °C rated value  • at 200/380 V at		
manufacturer's article number  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  Operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 400/400 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value  • at 200/230 V at 50 °C rated value	• PROFIBUS	Yes
of the fuse	UL/CSA ratings	
- 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 at inside-delta circuit up to 575/600 V according to UL.  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  operating power [Irp] for 3-phase motors  • at 200/208 V at 50 °C rated value 450 hp • at 460/480 V at 50 °C rated value 450 hp • at 460/480 V at 50 °C rated value 450 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 460/480 V at inside-delta circuit at 50 °C rated value 580 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 580 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 580 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 680 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 700 hp  contact rating of auxiliary contacts according to UL 700 hp  contact rating of auxiliary contacts according to UL 700 hp  contact rating of auxiliary contacts according to EC 60529 IP00  acc. to IEC 60947-4-2  ATEX  certificate of suitability  • ATEX  • IECEx  • according to ATEX directive 2014/34/EU BVS 18 ATEX F 003 X  It (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]  protection according to ATEX directive 2014/34/EU [Ex db Mb]  protection according to EC 61508 relating to ATEX  Safety Integrity Level (SIL) according to EC 61508 relating to ATEX  1 value for proof test interval or service life according to EC 61508 relating to ATEX	manufacturer's article number	
according to UL  — usable for High Faults at pto 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power (Inp) for 3-phase motors  • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 240/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside	of the fuse	
UL  - usable for Standard Faults at inside-delta circuit up to 578/600 V according to UL  - usable for High Faults at inside-delta circuit up to 578/600 V according to UL  Operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 240/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 60/480 V at inside-delta circuit at 50 °C rated value  • at 60/480 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/408 V at inside-delta circuit at 50 °C rated value  • at 200/408 V a	•	Type: Class J / L, max. 3000 A; Iq = 85 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50	·	Type: Class J / L, max. 3000 A; Iq = 100 kA
operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL  R300-B300  Safety related data  protection class IP on the front according to IEC 60529 electromagnetic compatibility • ATEX  • IECEX • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to EC 61508 relating to ATEX  Safety Integrity Level (SIL) according to EC 61508 relating to ATEX  T1 value for proof test interval or service life according to  3 a		Type: Class J / L, max. 3000 A; Iq = 85 kA
at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 4800-8300  Safety related data  protection class IP on the front according to IEC 60529 electromagnetic compatibility  ATEX  certificate of suitability  ATEX  **PEC **  according to ATEX directive 2014/34/EU  BVS 18 ATEX F 003 X  type of protection according to ATEX directive 2014/34/EU  BVS 18 ATEX F 003 X  type of protection according to IEC 61508 relating to ATEX  private fault tolerance according to IEC 61508 relating to ATEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	·	Type: Class J / L, max. 3000 A; Iq = 100 kA
at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 260/280 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 450 hp  protection class IP on the front according to IEC 60529 acc. to IEC 60947-4-2  ATEX  Yes according to ATEX directive 2014/34/EU  BVS 18 ATEX F 003 X  type of protection according to ATEX directive 2014/34/EU  Il (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)  [Ex db Mb]  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDay with low demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	operating power [hp] for 3-phase motors	
at 460/480 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL  R300-B300  Safety related data  protection class IP on the front according to IEC 60529 electromagnetic compatibility  ATEX  certificate of suitability  ATEX  IECEX  according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  by S 18 ATEX F 003 X  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	• at 200/208 V at 50 °C rated value	400 hp
at 200/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front according to IEC 60529 electromagnetic compatibility  acc. to IEC 60947-4-2  ATEX  certificate of suitability  ATEX  IECEX  according to ATEX directive 2014/34/EU  bys 18 ATEX F 003 X  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to  C rated value  850 hp  1 700 hp  hp	<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	450 hp
at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value tontact rating of auxiliary contacts according to UL  R300-B300  Safety related data  protection class IP on the front according to IEC 60529 electromagnetic compatibility  ATEX  certificate of suitability ATEX  ves according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDD with high demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	1 000 hp
at 460/480 V at inside-delta circuit at 50 °C rated value     contact rating of auxiliary contacts according to UL     R300-B300  Safety related data  protection class IP on the front according to IEC 60529 electromagnetic compatibility     acc. to IEC 60947-4-2  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 according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to EC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	• at 200/208 V at inside-delta circuit at 50 °C rated value	700 hp
contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front according to IEC 60529 electromagnetic compatibility  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 according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to EN 62061 relating to ATEX  PFID with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to  R300-B300  R900-B300  IPO0  acc. to IEC 60947-4-2  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	• at 220/230 V at inside-delta circuit at 50 °C rated value	850 hp
protection class IP on the front according to IEC 60529 IP00 electromagnetic compatibility acc. to IEC 60947-4-2  ATEX  certificate of suitability  • ATEX  • IECEx  • according to ATEX directive 2014/34/EU BVS 18 ATEX F 003 X  type of protection according to ATEX directive 2014/34/EU II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	• at 460/480 V at inside-delta circuit at 50 °C rated value	1 700 hp
protection class IP on the front according to IEC 60529 electromagnetic compatibility acc. to IEC 60947-4-2  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 according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to  acc. to IEC 60947-4-2  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	contact rating of auxiliary contacts according to UL	R300-B300
protection class IP on the front according to IEC 60529 electromagnetic compatibility acc. to IEC 60947-4-2  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 according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to  acc. to IEC 60947-4-2  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	Safety related data	
electromagnetic compatibility  ATEX  certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU    BVS 18 ATEX F 003 X		IP00
certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)  [Ex db Mb]  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	-	
certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  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]  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a		
ATEX  IECEX  according to ATEX directive 2014/34/EU  BVS 18 ATEX F 003 X  type of protection according to ATEX directive 2014/34/EU  II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)  [Ex db Mb]  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to  3 a		
IECEX     according to ATEX directive 2014/34/EU      BVS 18 ATEX F 003 X      type of protection according to ATEX directive 2014/34/EU      li (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)     [Ex db Mb]      hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508     relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a		Yes
● according to ATEX directive 2014/34/EU  BVS 18 ATEX F 003 X  type of protection according to ATEX directive 2014/34/EU  II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)  [Ex db Mb]  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	··· <del>-</del> ·	
type of protection according to ATEX directive 2014/34/EU  II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)  [Ex db Mb]  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a		
hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a		
PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a		[Ex db Mb]
relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	ATEX	
to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to 3 a	relating to ATEX	
to ATEX  T1 value for proof test interval or service life according to 3 a	to ATEX	
	to ATEX	
		3 a

### Certificates/ approvals

#### **General Product Approval**







Confirmation







For use in hazardous locations

Declaration of Conformity

**Test Certificates** 

Marine / Shipping







Type Test Certificates/Test Report





Marine / Shipping

other





Confirmation

#### **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RW5558-2HA04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5558-2HA04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5558-2HA04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5558-2HA04&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

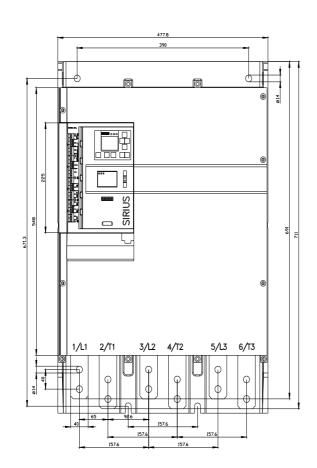
https://support.industry.siemens.com/cs/ww/en/ps/3RW5558-2HA04/char

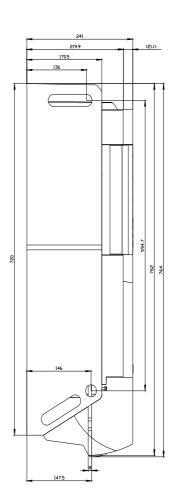
Characteristic: Installation altitude

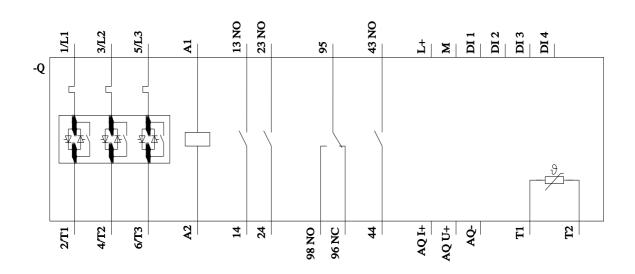
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5558-2HA04\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

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











## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RW55582HA04