SIEMENS

product brand name

Data sheet 3RW5246-2TC14

SIRIUS



SIRIUS soft starter 200-480 V 370 A, 110-250 V AC spring-type terminals Thermistor input

p	
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
of standard HMI module usable	3RW5980-0HS00
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFIBUS usable 	3RW5980-0CP00
• of communication module Modbus TCP usable	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 500 V at inside-delta circuit	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	2x3NA3365-6; Type of coordination 1, lq = 65 kA
• of the gG fuse usable at inside-delta circuit up to 500 V	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1334-2; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3336; Type of coordination 2, Iq = 65 kA
eneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
• is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	
buffering time in the event of power failurefor main current circuit	100 ms

insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
	5, acc. to fee 60947-4-2
impulse voltage rated value	1 600 V
blocking voltage of the thyristor maximum	1
service factor	6 kV
surge voltage resistance rated value	O KV
maximum permissible voltage for protective separation • between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
	AC 53a
utilization category according to IEC 60947-4-2 reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	02/13/2010
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	Yes
	Yes; Full motor protection (thermistor motor protection and electronic motor
motor overload protection	overload protection)
 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
• inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
 communication function 	Yes
 operating measured value display 	Yes; Only in conjunction with special accessories
 error logbook 	Yes; Only in conjunction with special accessories
 via software parameterizable 	No
 via software configurable 	Yes
 PROFlenergy 	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
 removable terminal for control circuit 	Yes
• torque control	No
analog output	No
Power Electronics	
operational current	
• at 40 °C rated value	370 A
at 50 °C rated value	328 A
at 60 °C rated value	300 A
operational current at inside-delta circuit	
• at 40 °C rated value	641 A
at 50 °C rated value	568 A
at 60 °C rated value	519 A
operating voltage	
rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance 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 	110 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	200 kW
 at 400 V at 40 °C rated value 	200 kW
• at 400 V at inside-delta circuit at 40 °C rated value	355 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz

relative negative tolerance of the operating frequency	-10 % -10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
at rotary coding switch on switch position 1	160 A
 at rotary coding switch on switch position 2 	174 A
 at rotary coding switch on switch position 3 	188 A
 at rotary coding switch on switch position 4 	202 A
 at rotary coding switch on switch position 5 	216 A
 at rotary coding switch on switch position 6 	230 A
 at rotary coding switch on switch position 7 	244 A
 at rotary coding switch on switch position 8 	258 A
 at rotary coding switch on switch position 9 	272 A
 at rotary coding switch on switch position 10 	286 A
 at rotary coding switch on switch position 11 	300 A
 at rotary coding switch on switch position 12 	314 A
 at rotary coding switch on switch position 13 	328 A
 at rotary coding switch on switch position 14 	342 A
 at rotary coding switch on switch position 15 	356 A
 at rotary coding switch on switch position 16 	370 A
• minimum	160 A
djustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	277 A
 for inside-delta circuit at rotary coding switch on switch position 2 	301 A
 for inside-delta circuit at rotary coding switch on switch position 3 	326 A
 for inside-delta circuit at rotary coding switch on switch position 4 	350 A
 for inside-delta circuit at rotary coding switch on switch position 5 	374 A
for inside-delta circuit at rotary coding switch on switch position 6	398 A
for inside-delta circuit at rotary coding switch on switch position 7	423 A
 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch 	447 A 471 A
position 9 • for inside-delta circuit at rotary coding switch on switch	471 A 495 A
position 10 • for inside-delta circuit at rotary coding switch on switch	520 A
position 11 • for inside-delta circuit at rotary coding switch on switch	544 A
position 12 • for inside-delta circuit at rotary coding switch on switch	568 A
position 13 • for inside-delta circuit at rotary coding switch on switch	592 A
position 14for inside-delta circuit at rotary coding switch on switch	617 A
position 15for inside-delta circuit at rotary coding switch on switch	641 A
position 16	
at inside-delta circuit minimum	277 A
ninimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	123 W
• at 50 °C after startup	110 W
at 60 °C after startup	102 W
oower loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	5 575 W
• at 50 °C during startup	4 706 W
• at 60 °C during startup	4 157 W
ontrol circuit/ Control	

	_
control supply voltage at AC	
● at 50 Hz	110 250 V
● at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
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 current in standby mode rated value	30 mA
holding current in bypass operation rated value	100 mA
inrush current by closing the bypass contacts maximum	2.2 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	0
switching capacity current of the relay outputs	
at AC-15 at 250 V rated value	3 A
at DC-13 at 24 V rated value	1 A
Installation/ mounting/ dimensions	
THE ACTUAL PROPERTY OF THE PRO	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
mounting position	+/- 22.5° tiltable to the front and back
mounting position fastening method	+/- 22.5° tiltable to the front and back screw fixing
mounting position fastening method height	+/- 22.5° tiltable to the front and back screw fixing 393 mm
mounting position fastening method height width	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm
mounting position fastening method height width depth	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm
mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm
mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm
mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm
fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 50 m
fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m
mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m
fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m
fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m
fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m

• for control circuit finely stranded with core end processing • for AWS cabibles for control circuit fold • for AWS cabibles for control circuit fold • for AWS cabibles for control circuit fold yet and the core end processing wirse length • between soft starter and motor maximum • at the digital inputs at AC maximum • the digital inputs at AC maximum 100 m 100 m 100 m 101 m 102 m 104 m • for man contacts with screw-type terminals • for auxiliary and control	for AWG cables for control circuit solid for AWG cables for control circuit finely stranded with core end processing wire length between soft starter and motor maximum at the digital inputs at AC maximum tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	2x (24 16) 2x (24 16) 800 m 100 m 14 24 N·m 0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
or AWG cables for control circuit finely stranded with core and processing wire length	for AWG cables for control circuit finely stranded with core end processing wire length between soft starter and motor maximum at the digital inputs at AC maximum tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] for main contacts with screw-type terminals tightening torque [lbf-in] for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	2x (24 16) 800 m 100 m 14 24 N·m 0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
core end processing * between soft starter and motor maximum * at the digital inputs at AC maximum * a for availably and control contacts with screw-type terminals * a for availably and control contacts with screw-type terminals * a for availably and control contacts with screw-type terminals * a for availably and control contacts with screw-type terminals * a for availably and control contacts with screw-type * traininals * Anablent conditions * installation attitude at height above see level maximum * a fouring storage and transport * a furing storage according to IEC 60721 *	wire length • between soft starter and motor maximum • at the digital inputs at AC maximum tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport	800 m 100 m 14 24 N·m 0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
extraction process each time digital inputs at AC maximum tightoning torque efor main contacts with screw-type terminals efor auxiliary and control contacts with screw-type tightening torque (Ipf-in) efor main contacts with screw-type terminals efor auxiliary and control contacts with screw-type tightening torque (Ipf-in) efor main contacts with screw-type terminals efor auxiliary and control contacts with screw-type terminals Anabient conditions Installation attitude at height above sea level maximum ambient temperature eduring operation eduring operation eduring operation eduring operation eduring operation according to IEC 60721 eduring operation according to IEC 60721 eduring strapper according to IEC 60721 eduring strapper according to IEC 60721 eduring transport according to IEC 6	between soft starter and motor maximum at the digital inputs at AC maximum tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [lbf·in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	100 m 14 24 N·m 0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
• at the digital inputs at AC maximum tightening torque • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts and contact and so the for auxiliary and control con	at the digital inputs at AC maximum tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [lbf·in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	100 m 14 24 N·m 0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque (libf-in) • for main contacts with screw-type terminals • for main contacts and for maximum • for main contacts with screw-type terminals • for main co	tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport	14 24 N·m 0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for maintacture and temperatures • for for fight Fusits up to 575600 V • contact not the fortact ordinal to the devices, 1MA • for maintacture and contact for thigh Fusits at inside-delta circuit up to 575600 V according to U. • for foreign to fight Fusits at inside-delta circuit up to 575600 V	for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
• for auxillary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts with screw-type terminals * for auxillary and control contacts with screw-type terminals * for auxillary and control contacts with screw-type terminals * for main contacts according to IEC 60721 * during perature *	for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	0.8 1.2 N·m 124 210 lbf·in 7 10.3 lbf·in
teminals **Uphtening torque (lbf-in) **of ramin contacts with screw-type terminals **of auxiliary and control contacts with screw-type terminals **of auxiliary and control contacts with screw-type terminals **of auxiliary and control contacts with screw-type terminals **ambient conditions **stallation attitude at helght above sea level maximum **ambient temperature **of using operation **of using storage and transport **of using operation according to IEC 60721 **of using operation according to IEC 60721 **of using operation according to IEC 60721 **of using transport according to IEC 60721 **of using transport according to IEC 60721 **of uning transport according to IEC 60721 **EMC emitted interference **communication module is supported **PROFINET standard **PROFINET standard **PROFINET standard **PROFINED **Modbus RTU **Modbus RTU **Sea Subale for High Faults up to 575/600 V according to U. **usable for Standard Faults up to 575/600 V according to U. **usable for Standard Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **usable for High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor High Faults up to 575/600 V according to U. **professor	terminals tightening torque [lbf·in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport	124 210 lbf-in 7 10.3 lbf-in
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals *Ambient conditions **Total libria**	for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	7 10.3 lbf-in
Ambient conditions Installation altitude at height above sea level maximum ambient temperature during operation during operation during storage and transport during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 EMC emitted interference Communication module is supported PROFINET standard PROFINED Tyes DUCSA ratings manufacturer's article number of the fuse ULIC Standard Faults at inside-delta circuit up to 575/600 V according to UL Basible for Standard Faults up to 575/600 V according to UL Basible for Standard Faults at inside-delta circuit up to 575/600 V according to UL Departing power (Inp) for 3-phase motors at 200/208 V at 50 °C rated value at 200/208 V at 50 °C rated value at 200/208 V at 150 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 200/208 V at 150 °C rated value at 200/208	for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport	7 10.3 lbf-in
Ambient conditions installation altitude at height above sea level maximum • during operation • during storage and transport • during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 EMC emitted interference Communication in module is supported • PROFIRIS* EMPROFIRIS* **Yes* • LiberNet/IP • Modobus TU • Modobus TU • Modobus TCP • PROFIRIS **Wes* **ULCSA ratings* **manufacturer's article number • of the fuse — 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 — 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 — 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 — usable for High Fa	terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport	
Installation altitude at height above sea level maximum ambient temperature during operation during storage and transport environmental category during storage and transport during storage and transport during storage and transport 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 communicat	installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport	5 000 m; Derating as of 1000 m, see catalog
ambient temperature • during operation • during storage and transport • during operation according to IEC 60721 • during operation 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 • Demitted interference • demitted interference • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET standard • PROFINES • Modbus RTU • Modbus RTU • Modbus RTU • PROFINES • Modbus TCP • PROFINES * On 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 • at 200/230 V at 50° Crated value • at 200/230 V at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 460/480 V at inside-delta circuit at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 460/480 V at inside-delta circuit at 50° Crated value • at 200/230 V at inside-delta circuit at 50° Crated value • at 460/480 V at inside-delta circuit at 50° Crated value • at 460/480 V at inside-delta circuit at 50° Crated value • at 460/480 V at	 ambient temperature during operation during storage and transport 	5 000 m; Derating as of 1000 m, see catalog
 during operation during storage and transport during storage and transport during operation according to IEC 60721 during operation according to IEC 60721 during storage according to IEC 60721 186 (on ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 during transport according to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) EMC emitted Interference 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) EMC emitted Interference PROFINET standard EIEC 60947-4-2: Class A Communication module is supported PROFINET standard EIEC 60947-4-2: Class A EIEC 60947-4-2: EIEC 60949 EIEC 6	during operationduring storage and transport	
oluring storage and transport outring operation according to IEC 60721 outring operation according to IEC 60721 outring storage according to IEC 60721 outring storage according to IEC 60721 outring transport according to IEC 60722 outring transport according to IEC 60722 outring transport according to IEC 60722 outring transport according to IEC 60723 outring transport according to IEC 60721 outring transport according to IEC 60721 outring transport according to IEC 60722 outring transport according to IEC 60722 outring transport according to IEC 60723 outring transport according to IEC 60724 outring transport according to IEC 60729 outring transport according to	during storage and transport	
environmental category • during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 EMC emitted interference communication/ Protocol communication module is supported • PROFINET standard • PROFINET standard • PROFINET standard • PROFIBUS • Modbus RTU • Modbus TCP • PROFIBUS ULCSA 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 High Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V 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 • at 200/208 V at 50 °C rated value • at 400/480 V at 50 °C rated value • at 400/480 V at 50 °C rated value • at 400/480 V at inside-delta circuit at 50 °C rated value • at 400/480 V at inside-delta circuit at 50 °C rated value • at 400/480 V at inside-delta circuit at 50 °C rated value • at 400/480 V at inside-delta circuit at 50 °C rated value • at 400/480 V at inside-delta circuit at 50 °C rated value • at 400/480 V at inside-delta circuit at 50 °C rated value • at 400/480 V at inside		-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 60721 • PROFINET standard • PROFINES • Description of the fuse • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults up to "C rated value • Justice of Standard Faults up to "C rated value • Justice of Standard Fau	environmental category	-40 +80 °C
• during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • PROFINET standard • PROFINES • Description of the fuse • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults at Inside-delta circuit up to 575/600 V according to UL • Justice of Standard Faults up to "C rated value • Justice of Standard Faults up to "C rated value • Justice of Standard Fau		
inside the devices), 1M4 • during transport according to IEC 60721 EMC emitted interference communication/ Protocol communication module is supported • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET standard • PROFIBUS • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS * Yes • PROFIBUS * Yes * Yes • PROFIBUS * Yes * UL/CSA 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 High Faults at inside-delta circuit up to 575/600 V according to U. — usable for High Faults at inside-delta circuit up to 575/600 V according to U. — usable for High Faults at inside-delta circuit up to 575/600 V according to U. — usable for High Faults at inside-delta circuit up to 575/600 V according to U. — usable for High Faults at inside-delta circuit up to 575/600 V according to U. • at 220/230 V at 50 "C rated value • at 220/230 V at 50 "C rated value • at 460/480 V at 150 "C rated value • at	 during operation according to IEC 60721 	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
EMC emitted interference communication Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Pres Modbus RTU Pres PROFIBUS Ves PROFIBUS Ves Ves Ves Ves Ves Ves Ves Ve	 during storage according to IEC 60721 	
Communication module is supported PROFINET standard PROFINET standard Press Hondbus RTU Modbus RTU Press PROFIBUS 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 up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for Standard Faults 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 usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit at 50 °C rated value at 220/230 V at 50 °C rated value at 260/230 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 240/230 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 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 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 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 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 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 240/230 V at inside-delta circuit at 50 °C rat	 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
communication module is supported PROFINET standard Profile Standard Faults up to 575/600 V according to UL Brown Standard Faults up to 575/600 V according to UL Brown Standard Faults up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit up to 575/600 V according to UL Brown Standard Faults at inside-delta circuit at 50 °C rated value Brown Standard Faults at 100 °C rated value Brown S	EMC emitted interference	acc. to IEC 60947-4-2: Class A
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS Yes PROFIBUS PROFIBUS PENOFIBUS PENOFIBUS Type: Class J / L, max. 1200 A; Iq = 18 kA Cocording to UL Standard Faults up to 575/600 V according to UL Standard Faults up to 575/600 V according to UL Standard Faults up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C r	Communication/ Protocol	
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS Yes PROFIBUS PROFIBUS PENOFIBUS PENOFIBUS Type: Class J / L, max. 1200 A; Iq = 18 kA Cocording to UL Standard Faults up to 575/600 V according to UL Standard Faults up to 575/600 V according to UL Standard Faults up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at inside-delta circuit up to 575/600 V according to UL Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C rated value Standard Faults at Inside-delta circuit at 50 °C r	communication module is supported	
Modbus RTU Modbus TCP PROFIBUS Yes Yes Yes Yes Ves UL/CSA 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 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA 100 hp 100	PROFINET standard	Yes
Modbus TCP PROFIBUS Pres PROFIBUS Pres PROFIBUS 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 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 460/480 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 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 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450 hp Contact rating of auxiliary contacts according to UL Rational Auxiliary contacts according to UL Rational Auxiliary contacts according to UE 60529 finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2	EtherNet/IP	Yes
Modbus TCP PROFIBUS Pres PROFIBUS Pres PROFIBUS 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 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 460/480 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 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 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450/480 V at inside-delta circuit at 50 °C rated value at 450 hp Contact rating of auxiliary contacts according to UL Rational Auxiliary contacts according to UL Rational Auxiliary contacts according to UE 60529 finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2		
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 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 460/480 V 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 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 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta circuit at 50 °C rated value • at 800/2030 V at inside-delta		Yes
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 — 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 460/480 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 260/480 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 contact rating of auxiliary contacts according to UL R300-B300 Safety related data protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility in accordance with IEC 60947-4-2	PROFIBUS	Yes
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 — 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 — 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 Ppe: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L, max. 1200 A; Iq = 100 kA — type: Class J / L,	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 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 Atlant at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit at 50 °C rated value 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 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 220/230 V at 50 °C rated value	manufacturer's article number	
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 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 Atlant at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit at 50 °C rated value 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 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 220/230 V at 50 °C rated value	of the fuse	
- 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 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 - 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 - 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 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A; Iq = 100 kA - Type: Class J / L, max. 1200 A;	— usable for Standard Faults up to 575/600 V	Type: Class J / L, max. 1200 A; Iq = 18 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 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 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 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • 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 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	— usable for High Faults up to 575/600 V according to	Type: Class J / L, max. 1200 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 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 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 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta circuit at 50 °C rated value • at 200 hp • at 200/230 V at inside-delta		Type: Class J / L, max. 1200 A; Iq = 18 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 by at 450 hp contact rating of auxiliary contacts according to UL R300-B300 Safety related data protection class IP on the front according to IEC 60529 protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility in accordance with IEC 60947-4-2 		Type: Class J / L, max. 1200 A; Iq = 100 kA
 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 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 be at 460/480 V at inside-delta circuit at 50 °C rated value at 50 hp contact rating of auxiliary contacts according to UL R300-B300 Safety related data protection class IP on the front according to IEC 60529 protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility in accordance with IEC 60947-4-2 	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 be at 460/480 V at inside-delta circuit at 50 °C rated value be at 460/480 V at inside-delta circuit at 50 °C rated value be at 460/480 V at inside-delta circuit at 50 °C rated value be at 460/480 V at inside-delta circuit at 50 °C rated value be at 460/480 V at inside-delta circuit at 50 °C rated value be at 460/480 V at inside-delta circuit at 50 °C rated value be at 460/480 V at inside-delta circuit at 50 °C rated value be at 460/480 V at inside-delta circuit at 50 °C rated value be at 450 hp contact rating of auxiliary contacts according to UL R300-B300 Broot-B300 Broot-B300<	• at 200/208 V at 50 °C rated value	100 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 by at 460/480 V at inside-delta circuit at 50 °C rated value by at 460/480 V at inside-delta circuit at 50 °C rated value by at 450 hp contact rating of auxiliary contacts according to UL R300-B300 Safety related data protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility in accordance with IEC 60947-4-2 	• at 220/230 V at 50 °C rated value	125 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 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 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility in accordance with IEC 60947-4-2	• at 460/480 V at 50 °C rated value	250 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 touch protection on the front according to IEC 60529 electromagnetic compatibility in accordance with IEC 60947-4-2	• at 200/208 V at inside-delta circuit at 50 °C rated value	200 hp
contact rating of auxiliary contacts according to UL Safety related data protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 electromagnetic compatibility IP00; IP20 with cover finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2	• at 220/230 V at inside-delta circuit at 50 °C rated value	200 hp
protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility in accordance with IEC 60947-4-2	• at 460/480 V at inside-delta circuit at 50 °C rated value	450 hp
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 electromagnetic compatibility IP00; IP20 with cover finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2	contact rating of auxiliary contacts according to UL	R300-B300
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 electromagnetic compatibility IP00; IP20 with cover finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2	Safety related data	
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility in accordance with IEC 60947-4-2	· · · · · · · · · · · · · · · · · · ·	IP00; IP20 with cover
electromagnetic compatibility in accordance with IEC 60947-4-2		
<u> </u>		
	Certificates/ approvals	



Confirmation









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=3RW5246-2TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5246-2TC14

 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RW5246-2TC14

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5246-2TC14\&lang=en}$

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5246-2TC14/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5246-2TC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







