SIEMENS

Data sheet 3RW5224-3TC14



SIRIUS soft starter 200-480 V 47 A, 110-250 V AC spring-type terminals Thermistor input

product brand name	SIRIUS
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 	3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4RA10: Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3824-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3824-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1021-2; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE8024-1; Type of coordination 2, Iq = 65 kA

General 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

buffering time in the event of power failure for main current circuit 100 ms		
• for control circuit 100 ms insulation voltage rated value 600 V 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 surge voltage resistance rated value 6 kV • between main and suxiliary circuit 5 kV * bock 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 vibration category according to IEC 60947-4-2 AC 538 reference code according to IEC 60947-4-2 AC 538 verbrance Prohibitance (Date) Yes * ramp-up (soft starting) Yes * ramp-up (soft starting) Yes * ramp-up (soft starting) Yes * soft Troque Yes * adjustable current limitation Yes * evaluation of themistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection of themistor motor protection (thermistor motor protection and electronic motor overload protection (thermistor motor protection and electronic motor overload protection (the maximum protection and electronic	trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
• for control circuit 400 ms insulation voltage rated value 600 V blocking voltage rated value 610 V blocking voltage of the thyristor maximum 1400 V service factor 1 surge voltage resistance rated value 60 V maximum permissible voltage for safe isolation 600 V • 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 vibration resistance 0 vibration resistance 0 vibration resistance 15 mm to 6 Hz; 2g to 500 Hz vibration resistance 0 vibration file file file file file file file file	-	
Insulation voltage rated value 6 give of pollution 3, act to IEC 80947-4-2 minuse voltage rated value 6 kW 1 docking voltage of the thyristor maximum 1 doo W 1		
degree of pollution imputes votage rated value blocking votage of the thyristor maximum service factor surge votage resistance rated value between main and auxilary circuit between cacede according to IEC 60947-4-2 AC 558 reference code according to IEC 60947-4-2 AC 558 reference code according to IEC 60947-4-2 AC 558 reference code according to IEC 61346-2 Q2/15/2018 product function variety (set starting) ramp-down (soft stop) Ves Soft Torque Active (set starting) ramp-down (soft stop) Ves Auxiliary down ves Auxiliar		
Impulse voltage rated value		600 V
	degree of pollution	3, acc. to IEC 60947-4-2
service factor surge voltage resistance rated value waximum permissible voltage for safe Isolation • between main and surliary circuit • brock resistance vibration vibration vibration vibration resistance vibration vibration vibration resistance vibration vibration vibration resistance vibration vib		6 kV
surge voltage resistance rated value maximum permissible voltage for safe leolation between main and audiany circuit 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 vibration resistance vibration category according to IEC 60947-4-2 AC 53a reference code according to IEC 81346-2 O Cyclfscords versup-losoft starting) ramp-losoft starting) ramp-down (soft stop) Soft Torque Soft To	blocking voltage of the thyristor maximum	1 400 V
with mum permissible voltage for safe isolation	service factor	1
e between main and auxiliary circuit 500 V shock resistance 15 g/ 11 ms, from 12 g/ 11 ms with potential contact lifting vibration resistance 15 mm to 6 Hz. 2g to 500 Hz utilization category according to IEC 60947-4-2 AC 53a reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ves ramp-down (soft stor) Yes * adjustable current limitation Yes * pump ramp down Yes * intrinsic device protection Yes * motor overload protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of thermistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of thermistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of thermistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of thermistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of thermistor motor protection Yes, Type A PTC or Klixon / Thermoclick	surge voltage resistance rated value	6 kV
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 vibration resistance 15 mm to 6 Hz; 2g to 500 Hz vibration resistance AC 53a reference code according to IEC 691346-2 Q Substance Prohibitance (Date) Ves product function Yes * ramp-down (soft stop) Yes * adjustable current limitation Yes * pump ramp down Yes * intrinsic device protection Yes * evaluation of themistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) * inside-delta circuit Yes * evaluation of themistor motor protection Yes; Type A PTC or Klixon / Thermoclick * inside-delta circuit Yes * emote reset Yes Yes (Type A PTC or Klixon / Thermoclick * emote reset Yes; By turning off the control supply voltage * error logbook Yes Yes (Type A PTC or Klixon / Thermoclick * via software parameterizable Yes Yes * via software parameterizable Yes Yes <	maximum permissible voltage for safe isolation	
vibration resistance 15 mm to 6 Hz; 2g to 500 Hz utilization category according to IEC 60947-4-2 AC 53a reference code according to IEC 81346-2 0 Substance Prohibitance (Date) 02/15/2018 product function Yes • ramp-down (soft storp) Yes • Soft Torque Yes • adjustable current limitation Yes • pump ramp down Yes • intrisic device protection Yes • notor overload protection Yes; Full motor protection (themistor motor protection and electronic motor overload protection) • evaluation of themistor motor protection Yes; Full motor protection (themistor motor protection and electronic motor overload protection) • evaluation of themistor motor protection Yes; Full motor protection (themistor motor protection and electronic motor overload protection) • evaluation of themistor motor protection Yes; Full motor protection (themistor motor protection and electronic motor overload protection) • evaluation of themistor motor protection Yes; Full motor protection (themistor motor protection in motor overload protection) • evaluation of themistor motor protection Yes; Full motor protection with special accessories to remotor seed to reserve yes; Full motor protection (themistor motor protection (themistor motor	 between main and auxiliary circuit 	600 V
untilization category according to IEC 60947-4-2 AC 53a reference code according to IEC 81346-2 Q2 Substance Prohibitance (Date) 02/15/2018 product function Yes • ramp-up (soft starting) Yes • soft Torque Yes • adjustable current limitation Yes • pump ramp down Yes • intrinsic device protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor protection (thermistor motor protection and electronic motor protection (thermistor protection and electronic motor protection (thermistor motor protection (thermistor protection (thermistor protection (thermistor protection (thermist	shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
reference code according to IEC 81346-2 Q Substance Prohibitance (Oato) 02/15/2018 product function Promput (soft starting) Yes a ramp-up (soft starting) Yes a subjustable current limitation Yes a pump ramp down Yes intrinsic device protection Yes motor overload protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) evaluation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) e valuation of thermistor motor protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) e auto-RESET Yes Yes (Type A PTC or Klixon / Thermocilick via software parameterizable Yes Yes (Type A PTC or Klixon / Thermocilick e arrough research Yes Syl puring off the control supply voltage e FROFIenergy <th< th=""><th>vibration resistance</th><th>15 mm to 6 Hz; 2g to 500 Hz</th></th<>	vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
Substance Prohibitance (Date) product function ramp-up (soft starting) e ramp-down (soft stop) • Soft Torque • adjustable current limitation e pump ramp down intrinsic device protection e valuation of thermistor motor protection witor overload protection) function overload protection (thermistor motor protection and electronic motor overload protection) function overload protection e valuation of thermistor motor protection and electronic motor overload protection. The protection overload protection evaluation of thermistor motor protection and electronic motor overload protection. The protection overload protection (thermistor motor protection and electronic motor overload protection) function overload protection. Yes Tyes P PTC or Klixon / Thermoclick Yes Tyes Tyes P TC or Klixon / Thermoclick Yes Tyes Tyes P TC or Klixon / Thermoclick Yes Tyes Tyes P TC or Klixon / Thermoclick Yes Tyes Tyes Tyes P TC or Klixon / Thermoclick Yes Tyes Tyes Tyes P TC or Klixon / Thermoclick Yes Tyes Tyes Tyes P TC or Klixon / Thermoclick Yes Tyes Tyes Tyes Tyes Tyes Tyes Tyes Ty	utilization category according to IEC 60947-4-2	AC 53a
ramp-up (soft starting) • ramp-down (soft stop) • saft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • via software configurable • removable terminal for control circuit • torque control • analog output • other C rated value • at 60 °C rated value • at inside-delta circuit rated value • relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	reference code according to IEC 81346-2	Q
• ramp-up (soft starting) • ramp-down (soft stop) • Soft Torque • adjustable current limitation • pump ramp down • motor overload protection • evaluation of thermistor motor protection • evaluation of thermistor motor protection • evaluation of thermistor motor protection • iniside-delta circuit • auto-RESET • manual RESET • manual RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • via software parameterizable • via software parameterizable • removable terminal for control circuit • firmware update • removable terminal for control circuit • torque control • at 40 °C rated value • at 60 °C rated value • at inside-delta circuit ra	Substance Prohibitance (Date)	02/15/2018
• ramp-down (soft stop) • Soft Torque • Soft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • it is software parameterizable • via software parameterizable • via software parameterizable • removable terminal for control circuit • torque control • analog output • to rated value • at 60 °C ra	product function	
Soft Torque adjustable current limitation pump ramp down intrinsic device protection whotor overload protection residuation of thermistor motor protection whotor overload protection inside-delta circuit auto-RESET auto-RESET residuation function sevaluation of thermistor motor protection residuation of the mistor motor protection (thermistor motor protection and electronic motor overload protection) residuation of the mistor motor protection (thermistor motor protection and electronic motor overload protection) residuation of the mistor motor protection and electronic motor overload protection) residuation of the mistor motor protection and electronic motor vess. Type A PTC or Klixon / Thermoclick residuation of the mistor of the self-curit vess purply voltage residuation function residuation protection overload protection) residuation of the mistor overload protection overload protection. Yes, Full motor protection (thermistor motor protection and electronic motor vess. Yes residuation of the mistor overload protection.	ramp-up (soft starting)	Yes
adjustable current limitation pump ramp down promp and pown intrinsic device protection motor overload protection evaluation of thermistor motor protection protection of thermistor motor protection only protection of thermistor motor protection of the protection of the protection on the protection of the protection of the protection of the protection of the protection on the protection of the protection of the protection on the protection of	ramp-down (soft stop)	Yes
pump ramp down intrinsic device protection motor overload protection motor overload protection ves; Full motor protection (thermistor motor protection and electronic motor overload protection) vevaluation of thermistor motor protection inside-delta circuit inside	Soft Torque	Yes
intrinsic device protection motor overload protection motor overload protection evaluation of thermistor motor protection inside-delta circuit evaluation of thermistor motor protection inside-delta circuit yes auto-RESET manual RESET yes manual RESET ves manual RESET ves monunication function operating measured value display ves; Only in conjunction with special accessories ves; Only in conjunction with special accessories ves; Only in conjunction with special accessories ves; Only in conjunction with the PROFINET Standard communication module inside-delta circuit at 40 °C rated value at 60 °C rated value	 adjustable current limitation 	Yes
motor overload protection vealuation of thermistor motor protection evaluation of thermistor motor protection inside-delta circuit ves auto-RESET yes manual RESET ves emote reset ves; By turning off the control supply voltage communication function operating measured value display error logbook via software parameterizable via software parameterizable via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output vover Electronics operational current at 40 °C rated value at 60 °C	 pump ramp down 	Yes
evaluation of thermistor motor protection inside-delta circuit auto-RESET manual RESET remote reset communication function operating measured value display iva software configurable removable terminal for control circuit removable terminal for control circuit ot and 5° C rated value at 6° C rated value at 60° C rated	 intrinsic device protection 	Yes
iniside-delta circuit auto-RESET auto-RESET yes omanual RESET remote reset communication function operating measured value display error logbook via software parameterizable via software configurable removable terminal for control circuit removable terminal for control circuit value at 60 °C rated val	motor overload protection	
• auto-RESET • manual RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • removable terminal for control circuit • torque control • at 40 °C rated value • at 60 °C rated valu	 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
• manual RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • via software configurable • removable terminal for control circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value	• inside-delta circuit	Yes
remote reset communication function operating measured value display error logbook via software parameterizable via software configurable removable terminal for control circuit orange lectronics operating output at 40 °C rated value at 50 °C rated value at 60 °C rated value at 6	auto-RESET	Yes
communication function operating measured value display error logbook via software parameterizable via software configurable via software configurable ves PROFlenergy Fromware update removable terminal for control circuit via questional current at 40 °C rated value at 60 °C rated	manual RESET	Yes
operating measured value display error logbook via software parameterizable via software configurable PROFlenergy PROFlenergy Yes; in connection with special accessories Yes PROFlenergy Yes; in connection with the PROFINET Standard communication module Yes removable terminal for control circuit it removable terminal for control circuit volume analog output No analog output No No Power Electronics Operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value	remote reset	Yes; By turning off the control supply voltage
error logbook via software parameterizable via software configurable via software configurable PROFlenergy PROFlenergy Yes; in connection with the PROFINET Standard communication module removable terminal for control circuit torque control analog output voa nalog output No Power Electronics operational current at 40 °C rated value at 60 °C rated value at inside-delta circuit rated value at inside-delta circuit rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	 communication function 	Yes
via software parameterizable via software configurable via software configurable PROFlenergy Yes; in connection with the PROFINET Standard communication module firmware update removable terminal for control circuit torque control analog output No No Power Electronics Operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value soft or cated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value at 60 °C rated value be at 60 °C rated value be at 60 °C rated value a	 operating measured value display 	Yes; Only in conjunction with special accessories
via software configurable PROFlenergy Yes; in connection with the PROFINET Standard communication module firmware update removable terminal for control circuit torque control analog output No Power Electronics Operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 1 inside-delta circuit rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit at inside-delta circuit at 60 °C rated value at 6	error logbook	Yes; Only in conjunction with special accessories
PROFlenergy Yes; in connection with the PROFINET Standard communication module Yes removable terminal for control circuit torque control torque control analog output No No Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 50 °C rated value at 60 °C rated value at 50 °C rated value at 60 °C	 via software parameterizable 	No
• firmware update • removable terminal for control circuit • torque control • analog output No Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 60 °C rated value •	 via software configurable 	Yes
removable terminal for control circuit torque control analog output No No Power Electronics Operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at 50 °C rated value at 60 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	PROFlenergy	
• torque control • analog output No Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 60 °C rated value • at 40 °C rated value • at 60 °C rated value • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at inside-delta circuit rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	• firmware update	Yes
analog output over Electronics operational current	 removable terminal for control circuit 	Yes
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at inside-delta circuit rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	• torque control	No
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at inside-delta circuit rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	analog output	No
 at 40 °C rated value at 50 °C rated value at 60 °C rated value 36 A Operational current at inside-delta circuit at 40 °C rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value 200 480 V at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 % relative positive tolerance of the operating voltage at inside-delta circuit 10 % 	Power Electronics	
 at 50 °C rated value at 60 °C rated value 36 A Operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value at inside-delta circuit at inside-delta circuit 	operational current	
at 60 °C rated value at 40 °C rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	 at 40 °C rated value 	47 A
operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • rated value • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	 at 50 °C rated value 	42 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value 62.7 A Operating voltage rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	at 60 °C rated value	36 A
 at 50 °C rated value at 60 °C rated value 62.7 A operating voltage rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit 10 % 10 % 	operational current at inside-delta circuit	
● at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	at 40 °C rated value	81.4 A
operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	at 50 °C rated value	72 A
 rated value at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 % 	at 60 °C rated value	62.7 A
 rated value at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 % 	operating voltage	
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %		200 480 V
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 % 10 % 10 %	at inside-delta circuit rated value	200 480 V
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 % 10 % 10 %	relative negative tolerance of the operating voltage	-15 %
relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit -15 % 10 %		10 %
inside-delta circuit	relative negative tolerance of the operating voltage at	-15 %
operating power for 3-phase motors		10 %
	operating power for 3-phase motors	

1000 // 140 00 11 1	44111
• at 230 V at 40 °C rated value	11 kW
• at 230 V at inside-delta circuit at 40 °C rated value	22 kW
• at 400 V at 40 °C rated value	22 kW
at 400 V at inside-delta circuit at 40 °C rated value	45 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	00.4
at rotary coding switch on switch position 1	20 A
at rotary coding switch on switch position 2	21.8 A
 at rotary coding switch on switch position 3 	23.6 A
at rotary coding switch on switch position 4	25.4 A
at rotary coding switch on switch position 5	27.2 A
at rotary coding switch on switch position 6 at rotary coding switch on switch position 7.	29 A
at rotary coding switch on switch position 7 at rotary coding switch on switch position 9	30.8 A 32.6 A
at rotary coding switch on switch position 8 at rotary coding switch on switch position 9	34.4 A
 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 	36.2 A
at rotary coding switch on switch position 10 at rotary coding switch on switch position 11	38 A
at rotary coding switch on switch position 12 at rotary coding switch on switch position 12	39.8 A
at rotary coding switch on switch position 12 at rotary coding switch on switch position 13	41.6 A
at rotary coding switch on switch position 14 at rotary coding switch on switch position 14	43.4 A
at rotary coding switch on switch position 15	45.2 A
at rotary coding switch on switch position 16	47 A
• minimum	20 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	34.6 A
 for inside-delta circuit at rotary coding switch on switch position 2 	37.8 A
 for inside-delta circuit at rotary coding switch on switch position 3 	40.9 A
 for inside-delta circuit at rotary coding switch on switch position 4 	44 A
 for inside-delta circuit at rotary coding switch on switch position 5 	47.1 A
 for inside-delta circuit at rotary coding switch on switch position 6 	50.2 A
 for inside-delta circuit at rotary coding switch on switch position 7 	53.3 A
 for inside-delta circuit at rotary coding switch on switch position 8 	56.5 A
for inside-delta circuit at rotary coding switch on switch position 9	59.6 A
 for inside-delta circuit at rotary coding switch on switch position 10 	62.7 A
for inside-delta circuit at rotary coding switch on switch position 11	65.8 A
 for inside-delta circuit at rotary coding switch on switch position 12 	68.9 A
 for inside-delta circuit at rotary coding switch on switch position 13 	72.1 A
 for inside-delta circuit at rotary coding switch on switch position 14 	75.2 A
 for inside-delta circuit at rotary coding switch on switch position 15 	78.3 A
 for inside-delta circuit at rotary coding switch on switch position 16 	81.4 A
at inside-delta circuit minimum	34.6 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	26 W
at 40 °C after startup at 50 °C after startup	26 W
 at 50 °C after startup 	ZH VV

at 60 °C after startup	23 W
power loss [W] at AC at current limitation 350 %	
at 40 °C during startup	606 W
at 50 °C during startup	522 W
at 60 °C during startup	438 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply	-15 %
voltage at AC at 50 Hz	
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	75 mA
locked-rotor current at close of bypass contact maximum	2.5 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
	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is
design of short-circuit protection for control circuit	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is
design of short-circuit protection for control circuit Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3
Inputs/ Outputs number of digital inputs number of digital outputs o not parameterizable	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
Inputs/ Outputs number of digital inputs number of digital outputs onto parameterizable digital output version number of analog outputs switching capacity current of the relay outputs onto AC-15 at 250 V rated value	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0
Inputs/ Outputs number of digital inputs number of digital outputs onto parameterizable digital output version number of analog outputs switching capacity current of the relay outputs onto AC-15 at 250 V rated value	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging Connections/ Terminals type of electrical connection	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5 mm 5.2 kg

width of connection bar maximum	25 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	
for main contacts for box terminal using the front clamping point solid	1x (2.5 16 mm²)
 for main contacts for box terminal using the front clamping point finely stranded with core end processing 	1x (2.5 50 mm²)
 for main contacts for box terminal using the front clamping point stranded 	1x (10 70 mm²)
 at AWG cables for main contacts for box terminal using the front clamping point 	1x (10 2/0)
 for main contacts for box terminal using the back clamping point solid 	1x (2.5 16 mm²)
at AWG cables for main contacts for box terminal using the back clamping point	1x (10 2/0)
for main contacts for box terminal using both clamping points solid	2x (2.5 16 mm²)
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	2x (2.5 35 mm²)
 for main contacts for box terminal using both clamping points stranded 	2x (6 16 mm²), 2x (10 50 mm²)
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	1x (2.5 50 mm²)
 for main contacts for box terminal using the back clamping point stranded 	1x (10 70 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)
at AWG cables for control circuit solid	2x (24 16)
at AWG cables for control circuit solid at AWG cables for control circuit finely stranded with	2x (24 16)
core end processing	27 (27 10)
wire length	
 between soft starter and motor maximum 	800 m
at the digital inputs at AC maximum	100 m
tightening torque	
 for main contacts with screw-type terminals 	4.5 6 N·m
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m
tightening torque [lbf·in]	
• for main contacts with screw-type terminals	40 53 lbf-in
for auxiliary and control contacts with screw-type	7 10.3 lbf·in
terminals	
mbient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
 during storage and transport 	-40 +80 °C
environmental category	
 during operation according to IEC 60721 	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
during storage according to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
 PROFINET standard 	Yes

EtherNet/IP Yes Modbus RTU Yes Modbus TCP Yes PROFIBUS Yes **UL/CSA** ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V Siemens type: 3RV2742, max. 70 A or 3VA51, max. 90 A; Iq = 5 kA according to UL - usable for High Faults at 460/480 V according Siemens type: 3VA51, max. 60 A; Iq max = 65 kA to UL usable for Standard Faults at 460/480 V at Siemens type: 3VA51, max. 90 A; Iq = 5 kA inside-delta circuit according to UL - usable for High Faults at 460/480 V at inside-Siemens type: 3VA51, max. 60 A; Iq max = 65 kA delta circuit according to UL usable for Standard Faults at 575/600 V Siemens type: 3RV2742, max. 70 A or 3VA51, max. 90 A; Iq = 5 kA according to UL - usable for Standard Faults at 575/600 V at Siemens type: 3VA51, max. 90 A; Iq = 5 kA inside-delta circuit according to UL • of the fuse usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 175 A; Iq = 5 kA according to UL usable for High Faults up to 575/600 V Type: Class J / L, max. 175 A; Iq = 100 kA according to UL usable for Standard Faults at inside-delta Type: Class RK5 / K5, max. 175 A; Iq = 5 kA circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up Type: Class J / L, max. 175 A; Iq = 100 kA to 575/600 V according to UL operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value 10 hp • at 220/230 V at 50 °C rated value 10 hp • at 460/480 V at 50 °C rated value 30 hp • at 200/208 V at inside-delta circuit at 50 °C rated 20 hp value • at 220/230 V at inside-delta circuit at 50 °C rated 25 hp value • at 460/480 V at inside-delta circuit at 50 °C rated 50 hp value contact rating of auxiliary contacts according to UL R300-B300 protection class IP on the front according to IEC IP00; IP20 with cover

Safety related data

60529 touch protection on the front according to IEC 60529

finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2

Certificates/ approvals

General Product Approval

electromagnetic compatibility

EMC





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5224-3TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5224-3TC14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW5224-3TC14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5224-3TC14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5224-3TC14/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5224-3TC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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

ast modified:	4/10/2022	7
asi modilled:	4/10/2022 (٠,