SIEMENS

Data sheet

3RW5226-1AC14



SIRIUS soft starter 200-480 V 77 A, 110-250 V AC Screw terminals Analog output

product brand name	SIRIUS			
product category	Hybrid switching devices			
product designation	Soft starter			
product type designation	3RW52			
manufacturer's article number				
 of standard HMI module usable 	<u>3RW5980-0HS00</u>			
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>			
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>			
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>			
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>			
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>			
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>			
 of circuit breaker usable at 400 V 	3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
 of circuit breaker usable at 500 V 	3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10			
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10			
 of the gG fuse usable up to 690 V 	3NA3132-6; Type of coordination 1, Iq = 65 kA			
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3132-6; Type of coordination 1, Iq = 65 kA			
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1224-0; Type of coordination 2, Iq = 65 kA</u>			
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8024-1; Type of coordination 2, Iq = 65 kA</u>			
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

buffering time in the event of power failure

3

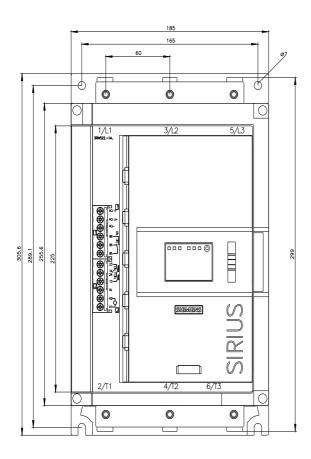
for main current circuit	100 ms			
for control circuit	100 ms			
insulation voltage rated value	100 ms 600 V			
degree of pollution	3, acc. to IEC 60947-4-2			
impulse voltage rated value	6 kV			
blocking voltage of the thyristor maximum	1 400 V			
service factor	1 400 V			
surge voltage resistance rated value	1 6 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			
utilization category according to IEC 60947-4-2	AC 53a			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	02/15/2018			
SVHC substance name	Lead - 7439-92-1			
	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Dodecamethylcyclohexasiloxane (D6) - 540-97-6			
product function				
 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			
 motor overload protection 	Yes; Electronic motor overload protection			
 evaluation of thermistor motor protection 	No			
• 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	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)			
Power Electronics				
operational current				
• at 40 °C rated value	77 A			
• at 50 °C rated value	68 A			
at 60 °C rated value	62 A			
operational current at inside-delta circuit				
• at 40 °C rated value	133 A			
• at 50 °C rated value	118 A			
at 60 °C rated value	107 A			
operating voltage	000 400 \/			
• 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	10 %			

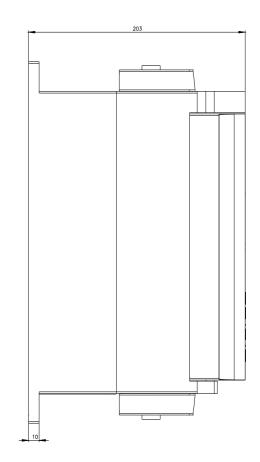
inside-delta circuit	
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	22 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	37 kW
 at 400 V at 40 °C rated value 	37 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	75 kW
perating frequency 1 rated value	50 Hz
perating frequency 2 rated value	60 Hz
elative negative tolerance of the operating frequency	-10 %
elative positive tolerance of the operating frequency	10 %
djustable motor current	
 at rotary coding switch on switch position 1 	32 A
 at rotary coding switch on switch position 2 	35 A
 at rotary coding switch on switch position 3 	38 A
 at rotary coding switch on switch position 4 	41 A
at rotary coding switch on switch position 5	44 A
at rotary coding switch on switch position 6	47 A
at rotary coding switch on switch position 7	50 A
at rotary coding switch on switch position 8	53 A
at rotary coding switch on switch position 9 at rotary coding switch on switch position 9	56 A
 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 	50 A 59 A
	62 A
at rotary coding switch on switch position 11	
at rotary coding switch on switch position 12	65 A
 at rotary coding switch on switch position 13 	68 A
• at rotary coding switch on switch position 14	71 A
at rotary coding switch on switch position 15	74 A
 at rotary coding switch on switch position 16 	77 A
• minimum	32 A
djustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	55.4 A
 for inside-delta circuit at rotary coding switch on switch position 2 	60.6 A
 for inside-delta circuit at rotary coding switch on switch position 3 	65.8 A
 for inside-delta circuit at rotary coding switch on switch position 4 	71 A
 for inside-delta circuit at rotary coding switch on switch position 5 	76.2 A
 for inside-delta circuit at rotary coding switch on switch position 6 	81.4 A
 for inside-delta circuit at rotary coding switch on switch position 7 	86.6 A
 for inside-delta circuit at rotary coding switch on switch position 8 	91.8 A
 for inside-delta circuit at rotary coding switch on switch position 9 	97 A
 for inside-delta circuit at rotary coding switch on switch position 10 	102 A
 for inside-delta circuit at rotary coding switch on switch position 11 	107 A
 for inside-delta circuit at rotary coding switch on switch position 12 	113 A
 for inside-delta circuit at rotary coding switch on switch position 13 	118 A
 for inside-delta circuit at rotary coding switch on switch position 14 	123 A
 for inside-delta circuit at rotary coding switch on switch position 15 	128 A
 for inside-delta circuit at rotary coding switch on switch position 16 	133 A
 at inside-delta circuit minimum 	55.4 A
ninimum load [%]	15 %; Relative to smallest settable le
oower loss [W] for rated value of the current at AC	
● at 40 °C after startup	35 W
● at 50 °C after startup	32 W

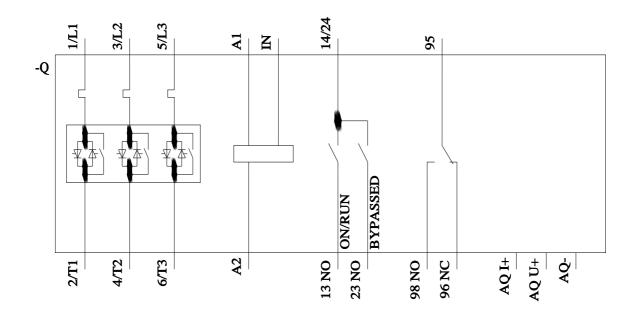
• at 60 °C after startup	31 W		
power loss [W] at AC at current limitation 350 %			
• at 40 °C during startup	1 107 W		
● at 50 °C during startup	933 W		
at 60 °C during startup	826 W		
Control circuit/ Control			
type of voltage of the control supply voltage	AC		
control supply voltage at AC	440 05014		
• at 50 Hz	110 250 V		
• at 60 Hz	110 250 V		
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	75 mA		
inrush current by closing the bypass contacts 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		
Inputs/ Outputs			
Inputs/ Outputs number of digital inputs	1		
number of digital inputs	1 3 2		
number of digital inputs number of digital outputs	1 3		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	1 3 2		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5 mm		
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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm		
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 • at the side weight without packaging Connections/ Terminals	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 10 mm 100 mm 100 mm 5 mm		
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 • at the side weight without packaging Connections/ Terminals type of electrical connection	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 5 mm 5 mm 5.6 kg		
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 • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5.6 kg box terminal		
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 • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5 mm 5.6 kg box terminal screw-type terminals		
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 • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5.6 kg		

a using the front elements a sist call-			
 using the front clamping point solid 	1x (2.5 16 mm²)		
 using the front clamping point finely stranded with core and processing 	1x (2.5 50 mm²)		
end processing			
using the front clamping point stranded	$1x (10 70 \text{ mm}^2)$		
using the back clamping point solid	1x (2.5 16 mm ²)		
 r box terminal using the back clamping point 	1x (10 2/0)		
using both clamping points solid	2x (2.5 16 mm ²)		
 using both clamping points finely stranded with core end processing 	2x (2.5 35 mm²)		
 using both clamping points stranded 	2x (6 16 mm²), 2x (10 50 mm²)		
 using the back clamping point finely stranded with core end processing 	1x (2.5 50 mm²)		
 using the back clamping point stranded 	1x (10 70 mm²)		
type of connectable conductor cross-sections			
 for control circuit solid 	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)		
 for control circuit finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)		
 for AWG cables for control circuit solid 	1x (20 12), 2x (20 14)		
wire length			
 between soft starter and motor maximum 	800 m		
 at the digital inputs at AC maximum 	100 m		
tightening torque			
 for main contacts with screw-type terminals 	4.5 6 N·m		
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m		
terminals			
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			
Ambient 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 storage according to IEC 60721during transport according to IEC 60721			
	inside the devices), 1M4		
during transport according to IEC 60721	inside the devices), 1M4		
during transport according to IEC 60721 Environmental footprint	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP)	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
e during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes		
• during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes		
e during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication module is supported e PROFINET standard e EtherNet/IP Modbus RTU Modbus TCP e PROFIBUS UL/CSA ratings manufacturer's article number e of circuit breaker usable for Standard Faults	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA		
e during transport according to IEC 60721 Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication module is supported e PROFINET standard e EtherNet/IP Modbus RTU Modbus TCP e PROFIBUS UL/CSA ratings Manufacturer's article number of circuit breaker usable for Standard Faults — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA		
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— usable for Standard Faults at inside-	-delta circuit up	Type: Class RK5 / K5, max. 25	0 A; Iq = 10 kA		
to 575/600 V according to UL — usable for High Faults at inside-delta 575/600 V according to UL	a circuit up to	Type: Class J / L, max. 250 A; Iq = 100 kA			
operating power [hp] for 3-phase motors					
• at 200/208 V at 50 °C rated value		20 hp			
• at 220/230 V at 50 °C rated value		25 hp			
• at 460/480 V at 50 °C rated value	25 hp 50 hp				
 at 200/208 V at inside-delta circuit at 50 °C 	C rated value				
 at 220/230 V at inside-delta circuit at 50 °C at 220/230 V at inside-delta circuit at 50 °C 					
 at 220/250 V at inside-delta circuit at 50 °C at 460/480 V at inside-delta circuit at 50 °C 					
contact rating of auxiliary contacts according	g to OL	R300-B300			
Electrical Safety	150 00500				
protection class IP on the front according to		IP00; IP20 with cover			
touch protection on the front according to IE	C 60529	finger-safe, for vertical contact	from the front with cover		
Approvals Certificates					
General Product Approval					
Confirmation	CE EG-Konf.	UK CA			
General Product Ap- proval EMV		Test Certificates	Marine / Shipping		
	<u>KC</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	BUREAU VERITAS	
Marine / Shipping	other	Environment			
Lloyds Register URS PRS	<u>Confirmation</u>	Siemens EcoTech	EPD	Environmental Con- firmations	
Further information					
Information on the packaging https://support.industry.siemens.com/cs/ww/en/v Information- and Downloadcenter (Catalogs, https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/cat Cax online generator http://support.automation.siemens.com/WW/CA2 Service&Support (Manuals, Certificates, Chat https://support.industry.siemens.com/cs/ww/en/p Image database (product images, 2D dimensi http://www.automation.siemens.com/bilddb/cax Characteristic: Tripping characteristics, I ² t, L	Brochures,) talog/product?mlfb=3 Xorder/default.aspx? racteristics, FAQs,. ps/3RW5226-1AC14 ion drawings, 3D m _de.aspx?mlfb=3RW3	lang=en&mlfb=3RW5226-1AC1) odels, device circuit diagrams	_		







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