SIEMENS

Data sheet

3RW5224-1AC14



SIRIUS soft starter 200-480 V 47 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 	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 	<u>3NE1021-2; 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>		
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

number of controlled phases

• is supported HMI-Standard

• is supported HMI-High Feature

buffering time in the event of power failure

product feature integrated bypass contact system

No

Yes

Yes

Yes

3

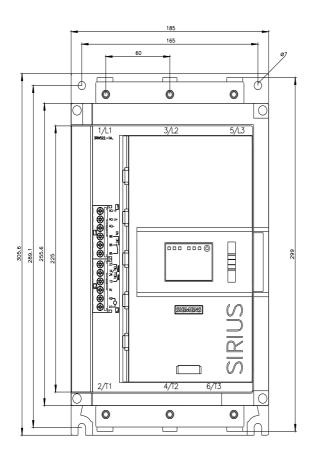
 for main current circuit 	100 ms			
for control circuit	100 ms			
insulation voltage rated value	600 V			
degree of pollution	 3. acc. to IEC 60947-4-2			
impulse voltage rated value	6 kV			
blocking voltage of the thyristor maximum	1 400 V			
service factor	1			
surge voltage resistance rated value	6 kV			
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 constraint measured value display	Yes			
operating measured value display error logbook	Yes; Only in conjunction with special accessories			
 error logbook via software parameterizable 	Yes; Only in conjunction with special accessories			
via software parameterizable via software configurable	No Yes			
PROFlenergy	Yes 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	47 A			
• at 50 °C rated value	41.6 A			
• at 60 °C rated value	36.2 A			
operational current at inside-delta circuit				
• at 40 °C rated value	81.4 A			
• at 50 °C rated value	72 A			
• at 60 °C rated value	62.7 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 relative positive tolerance of the operating voltage at	-15 % 			
relative positive tolerance of the operating voltage at	10 /0			

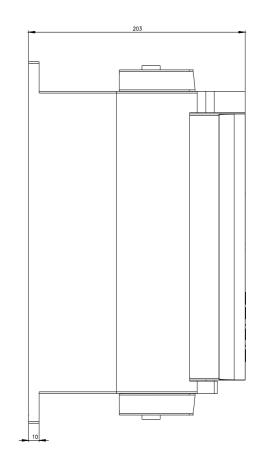
inside-delta circuit	
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	11 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	22 kW
 at 400 V at 40 °C rated value 	22 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	45 kW
perating frequency 1 rated value	50 Hz
Operating 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 	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	29 A
 at rotary coding switch on switch position 7 	30.8 A
 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 	32.6 A
 at rotary coding switch on switch position 9 at rotary coding switch on switch position 9 	34.4 A
	34.4 A 36.2 A
 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 	30.2 A 38 A
at rotary coding switch on switch position 11	
at rotary coding switch on switch position 12	39.8 A
at rotary coding switch on switch position 13	41.6 A
• 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
djustable 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
ninimum load [%]	15 %; Relative to smallest settable le
oower loss [W] for rated value of the current at AC	
• at 40 °C after startup	26 W
• at 50 °C after startup	24 W

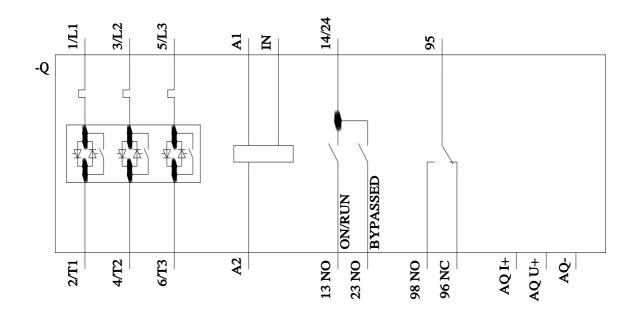
• at 60 °C after startup	23 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	606 W				
• at 50 °C during startup	522 W				
at 60 °C during startup	438 W				
Control circuit/ Control					
type of voltage of the control supply voltage	AC				
control supply voltage at AC					
• at 50 Hz	110 250 V				
• at 60 Hz	110 250 V				
AC at 50 Hz	-15 %				
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				
	1 3				
number of digital inputs					
number of digital inputs number of digital outputs	3				
number of digital inputs number of digital outputs • not parameterizable	3 2				
number of digital inputs number of digital outputs • not parameterizable digital output version	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)				
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)				
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	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	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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface 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 depth required spacing with side-by-side mounting	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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 oforwards obackwards outpwards odownwards odownwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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 oforwards obackwards outpwards odwnwards ot the side weight without packaging	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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 5.2 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 • upwards • at the side weight without packaging Connections/ Terminals	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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 10 mm 10 mm 5 mm 5 mm 5.2 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 • upwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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 5.2 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 • for control circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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 10 mm 5 mm 5.2 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 • upwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit width of connection bar maximum	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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 10 mm 5 mm 5.2 kg box terminal screw-type terminals				

 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 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 transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
Environmental footprint	, - , - , ()				
Siemens Eco Profile (SEP)	Siemens EcoTech				
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				
	Yes				
PROFIBUS	Yes				
UL/CSA ratings					
manufacturer's article number					
of circuit breaker usable for Standard Faults					
— at 460/480 V according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 90 A; lq = 5 kA				
— 60/480 V according to UL	Siemens type: 3VA51, max. 60 A; lq max = 65 kA				
 — at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3VA51, max. 90 A; lq = 5 kA				
 — 60/480 V at inside-delta circuit according to UL 	Siemens type: 3VA51, max. 60 A; lq max = 65 kA				
— at 575/600 V according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 90 A; lq = 5 kA				
— at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA51, max. 90 A; Iq = 5 kA				
of the fuse					
 — usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 175 A; lq = 5 kA				
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 175 A; lq = 100 kA				

— usable for Stan to 575/600 V acco	dard Faults at inside- rding to UL	-delta circuit up Type: Class RK5 / K5, max. 175 A; Iq = 5 kA				
— usable for High 575/600 V accordi	Faults at inside-delta	circuit up to Type: Class J / L, max. 175 A; Iq = 100 kA				
operating power [hp] for 3	B-phase motors					
• at 200/208 V at 50 °C	Crated value		10 hp			
• at 220/230 V at 50 °C			10 hp			
• at 460/480 V at 50 °C			30 hp			
 at 200/208 V at inside 		C rated value				
 at 220/230 V at inside 						
 at 460/480 V at inside 						
contact rating of auxiliary						
Electrical Safety	contacts according	J 10 0L	R300-B300			
	front occording to	IEC 60520	ID00: ID20 with cover			
protection class IP on the			IP00; IP20 with cover	contact from the front with		
touch protection on the fr	ont according to IE	C 60529	tinger-sate, for vertical	contact from the front with c	cover	
Approvals Certificates						
General Product Approva	I					
()		<u>Confirmatio</u>		CE EG-Konf.		
General Product Approval	MV		Test Certifica	tes Marine / Shippin	g	
EHC	RCM	<u>KC</u>	<u>Type Test Ce</u> ates/Test Re		B U R E A U VERITAS	
Marine / Shipping		other	Environment			
Lloyd's Register urs	PRS	<u>Confirmatio</u>	Siemens EcoTech	epd	Environmental Con- firmations	
Further information						
Information on the packag https://support.industry.sien Information- and Downloa https://www.siemens.com/id	nens.com/cs/ww/en/v adcenter (Catalogs,					
Industry Mall (Online order https://mall.industry.siemen Cax online generator http://support.automation.si Service&Support (Manual	s.com/mall/en/en/Ca	Xorder/default.aspx	?lang=en&mlfb=3RW52	24-1AC14		
https://support.industry.sien						
Image database (product http://www.automation.siem Characteristic: Tripping c https://support.industry.sien Characteristic: Installation	images, 2D dimensi iens.com/bilddb/cax haracteristics, I²t, L nens.com/cs/ww/en/p n altitude	ion drawings, 3D (de.aspx?mlfb=3RV et-through curren ps/3RW5224-1AC1	nodels, device circuit c V5224-1AC14⟨=en t 4/char	liagrams, EPLAN macros,		
Simulation Tool for Soft S https://support.industry.sien	itarters (STS)				<u> </u>	







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