SIEMENS

Data sheet

3RW5225-1AC14



SIRIUS soft starter 200-480 V 63 A, 110-250 V AC Screw terminals Analog output

. 69	
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 	3VA2163-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2163-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3VA2110-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3VA2110-7MN32-0AA0;</u> Type of coordination 1, Iq = 20 kA, CLASS 10
 of the gG fuse usable up to 690 V 	<u>3NA3830-6;</u> Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3830-6;</u> Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1022-0;</u> Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8024-1;</u> 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
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	

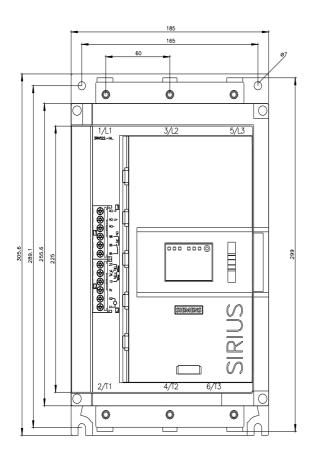
 for main current circuit 	100 ms
 for control circuit 	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 400 V
service factor	1
	6 kV
surge voltage resistance rated value	0 KV
 maximum permissible voltage for safe isolation 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
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q 02/15/2018
Substance Prohibitance (Date)	02/15/2018
product function	Mar.
• 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	63 A
 at 40 °C rated value at 50 °C rated value 	55.5 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value 	
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit 	55.5 A 50.5 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value 	55.5 A 50.5 A 109 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value 	55.5 A 50.5 A 109 A 96 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value 	55.5 A 50.5 A 109 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value operating voltage 	55.5 A 50.5 A 109 A 96 A 87.5 A
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value 	55.5 A 50.5 A 109 A 96 A 87.5 A 200 480 V
 at 40 °C rated value at 50 °C rated value at 60 °C rated value 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 at 60 °C rated value operating voltage rated value at inside-delta circuit rated value 	55.5 A 50.5 A 109 A 96 A 87.5 A 200 480 V 200 480 V
 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 6	55.5 A 50.5 A 109 A 96 A 87.5 A 200 480 V 200 480 V -15 %
 at 40 °C rated value at 50 °C rated value at 60 °C rated value 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 at 60 °C rated value operating voltage rated value at inside-delta circuit rated value 	55.5 A 50.5 A 109 A 96 A 87.5 A 200 480 V 200 480 V
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 at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 10 °C rated value at 10 °C rated value at 10 °C rated value at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value 	55.5 A 50.5 A 109 A 96 A 87.5 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % -15 %

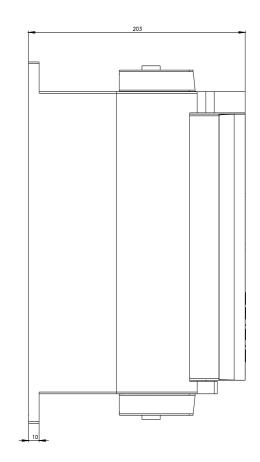
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
 at rotary coding switch on switch position 1 	25.5 A
 at rotary coding switch on switch position 2 	28 A
 at rotary coding switch on switch position 3 	30.5 A
 at rotary coding switch on switch position 4 	33 A
at rotary coding switch on switch position 5	35.5 A
at rotary coding switch on switch position 6	38 A
 at rotary coding switch on switch position 7 at rotary coding switch on switch position 2 	40.5 A
 at rotary coding switch on switch position 8 at rotary coding switch on switch position 9 	43 A 45.5 A
 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 	45.5 A 48 A
 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 	50.5 A
 at rotary coding switch on switch position 12 	53 A
at rotary coding switch on switch position 13	55.5 A
 at rotary coding switch on switch position 14 	58 A
 at rotary coding switch on switch position 15 	60.5 A
at rotary coding switch on switch position 16	63 A
• minimum	25.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	44.2 A
 for inside-delta circuit at rotary coding switch on switch position 2 	48.5 A
 for inside-delta circuit at rotary coding switch on switch position 3 	52.8 A
 for inside-delta circuit at rotary coding switch on switch position 4 	57.2 A
 for inside-delta circuit at rotary coding switch on switch position 5 	61.5 A
 for inside-delta circuit at rotary coding switch on switch position 6 	65.8 A
 for inside-delta circuit at rotary coding switch on switch position 7 for inside delta circuit at rotary coding switch on 	70.1 A
 for inside-delta circuit at rotary coding switch on switch position 8 for inside delta circuit at rotary coding switch on 	74.5 A 78.8 A
 for inside-delta circuit at rotary coding switch on switch position 9 for inside delta circuit at rotary coding switch on 	83.1 A
 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on 	87.5 A
 for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	91.8 A
 for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	96.1 A
 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on 	90.1 A 100 A
 for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	105 A
 for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	109 A
 In Inside-delta circuit at rotary county switch on switch position 16 at inside-delta circuit minimum 	44.2 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	31 W
• at 50 °C after startup	29 W
• at 60 °C after startup	27 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	882 W
• at 50 °C during startup	744 W
• at 60 °C during startup	659 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	

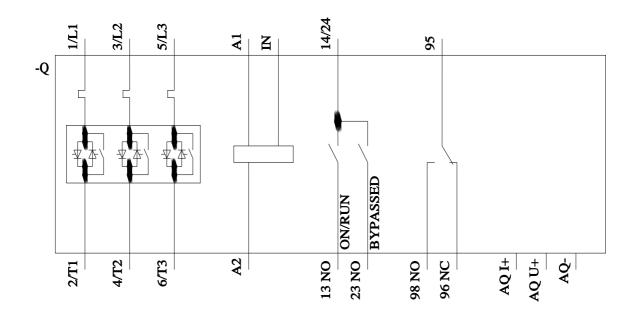
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply	-10 %
voltage frequency	
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 peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature
	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is
	not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of digital outputs	3
 not parameterizable 	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
 at AC-15 at 250 V rated value 	3 A
 at DC-13 at 24 V rated value 	1 A
• at DC-13 at 24 v Taleu value	
Installation/ mounting/ dimensions	
	+/- 10° rotation possible and can be tilted forward or backward on
Installation/ mounting/ dimensions mounting position	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
Installation/ mounting/ dimensions mounting position fastening method	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing
Installation/ mounting/ dimensions mounting position fastening method height	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm
Installation/ mounting/ dimensions mounting position fastening method height width	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 306 mm 185 mm 203 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	+/- 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
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	+/- 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
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	+/- 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
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	+/- 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
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging	+/- 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
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals	+/- 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
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 type of electrical connection	+/- 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 5.6 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	 +/- 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 5.6 kg box terminal
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	+/- 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 5.6 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum	 +/- 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 5.6 kg box terminal
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections	+/- 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 5.6 kg box terminal screw-type terminals 25 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid	 +/- 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 5.6 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm ²)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front	+/- 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 5.6 kg box terminal screw-type terminals 25 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front clamping point finely stranded with core end processing • for main contacts for box terminal using the front clamping point stranded	+/- 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 5.6 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm ²) 1x (2.5 50 mm ²)
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 type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front clamping point finely stranded with core end processing • for main contacts for box terminal using the front clamping point stranded • at AWG cables for main contacts for box terminal using the front clamping point	+/- 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 5.6 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm ²) 1x (2.5 50 mm ²) 1x (10 70 mm ²) 1x (10 2/0)
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 type of electrical connection for control circuit width of connection bar maximum type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point finely stranded with core end processing for main contacts for box terminal using the front clamping point stranded at AWG cables for main contacts for box terminal 	+/- 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 5.6 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm ²) 1x (2.5 50 mm ²)

 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	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 mm ²), 2x (0.5 1.5 mm ²)
 at 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 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	
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)
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. 125 A; Iq = 10 kA
according to UL — usable for High Faults at 460/480 V according	Siemens type: 3VA51, max. 125 A; lq max = 65 kA
to UL — usable for Standard Faults at 460/480 V at	Siemens type: 3VA51, max. 125 A; Iq = 10 kA
inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-	Siemens type: 3VA51, max. 125 A; lq 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. 125 A; Iq = 10 kA
according to UL — usable for Standard Faults at 575/600 V at	Siemens type: 3VA51, max. 125 A; lq = 10 kA
inside-delta circuit according to ULof the fuse	
 — usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 200 A; lq = 10 kA
 — usable for High Faults up to 575/600 V 	Type: Class J / L, max. 225 A; lq = 100 kA

	UL					
	Standard Faults at insi 75/600 V according to		Type: Cl	ass RK5 / K5, max.	200 A; lq = 10 kA	
	High Faults at inside-d according to UL	elta circuit up	Type: Cl	ass J / L, max. 225	A; Iq = 100 kA	
operating power [hp] for 3-phase motors					
	50 °C rated value		15 hp			
	50 °C rated value		20 hp			
 at 460/480 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated 		40 hp				
● at 200/208 V at value	t inside-delta circuit at 5	50 °C rated	30 hp			
 at 220/230 V at value 	inside-delta circuit at 5	50 °C rated	30 hp			
• at 460/480 V at inside-delta circuit at 50 °C rated value		75 hp	75 hp			
contact rating of au	xiliary contacts accor	ding to UL	R300-B3	300		
Safety related data						
	on the front according	g to IEC	IP00; IP2	20 with cover		
	the front according to	o IEC 60529	-	afe, for vertical conta dance with IEC 609	act from the front with co 47-4-2	over
Certificates/ approval	5	_				
General Product Ap	oproval					EMC
	<u>Confirmation</u>			(UL)	EHC	RCM
Declaration of Conf	formity	Test Certifica	atoo N	larine / Shipping		
Declaration of Com	orning	rest certifica	ates in	anne / ompping		
Declaration of Com	ormity	Test Certifica	ates N			
		Type Test Ce				
UK	(F		rtific-			Hovdis
	CE	Type Test Ce	rtific-			Llovdis Register
	C E EG-Konf.	Type Test Ce	rtific-		BUREAU	Lloyd's Register us
	CE	Type Test Ce	rtific-			Lloyd's Register us
	CE	Type Test Ce	rtific-			Lloyd's Register us
	CE	Type Test Ce	rtific-			Lloydis Register urs
	CE	Type Test Ce	rtific-		BUREAU VERITAS	Lloydis Register urs
UK CA	CE EG-Konf.	Type Test Ce	rtific-		BUREAU	Lloyds Register LRS
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