SIEMENS

Data sheet

3RW5552-2HA04



SIRIUS soft starter 200-480 V 630 A, 24 V AC/DC Spring-type terminals

Figure similar

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>
 of communication module PROFINET high-feature usable 	<u>3RW5950-0CH00</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 	3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10
 of circuit breaker usable at 500 V 	3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NB3350-1KK26; Type of coordination 2. Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NC3343-1U; Type of coordination 2, Iq = 65 kA</u>
General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
stopping torque [%]	10 100 %
torque limitation [%]	20 200 %
current limiting value [%] adjustable	125 800 %
breakaway voltage [%] adjustable	40 100 %
breakaway time adjustable	0 2 s
number of parameter sets	3
accuracy class acc. to IEC 61557-12	5 %

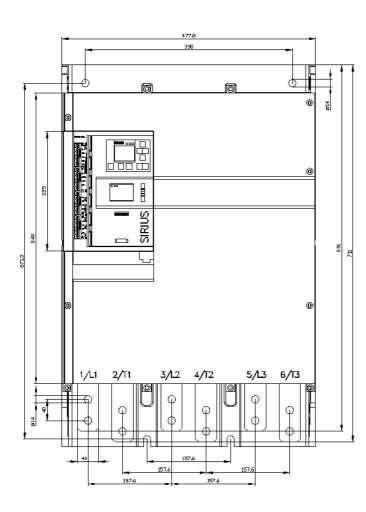
certificate of suitability • CE marking	Yes
5	
UL approval	Yes
CSA approval	Yes
product component	Vee
HMI-High Feature	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3 CLASS 404 / 405 (defeult) / 205 / 205; eeg to JSC 60047 4 2
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2 10 60 %
current unbalance limiting value [%]	
ground-fault monitoring limiting value [%]	10 95 %
 buffering time in the event of power failure for main current circuit 	100 ms
for control circuit	100 ms
	0 255 s
idle time adjustable	480 V
insulation voltage rated value	
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV 1 400 V
blocking voltage of the thyristor maximum service factor	
surge voltage resistance rated value	1.15 6 kV
maximum permissible voltage for safe isolation	0 KV
between main and auxiliary circuit	490 V/: doop not apply for thermister connection
shock resistance	480 V; does not apply for thermistor connection 15×10^{-11} ms with potential contact lifting
vibration resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting 15 mm up to 6 Hz; 2 g up to 500 Hz
recovery time after overload trip adjustable	60 1 800 s
utilization category acc. to IEC 60947-4-2	AC 53a
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	11.02.2019 00:00:00
	11.02.2019 00.00.00
product function	
product function • ramp-up (soft starting)	Yes
• ramp-up (soft starting)	Yes
ramp-up (soft starting)ramp-down (soft stop)	Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse 	Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation 	Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation 	Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down 	Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking 	Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating 	Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function 	Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function 	Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection 	Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection evaluation of thermistor motor protection 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection evaluation of thermistor motor protection inside-delta circuit 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection evaluation of thermistor motor protection inside-delta circuit auto-RESET 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET manual RESET 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET manual RESET remote reset 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
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 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET remote reset communication function operating measured value display 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET remote reset communication function operating measured value display event list 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET remote reset communication function operating measured value display event list error logbook 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET remote reset communication function operating measured value display event list error logbook via software parameterizable 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 ramp-up (soft starting) ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating slave pointer function trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET remote reset communication function operating measured value display event list error logbook via software parameterizable via software configurable 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

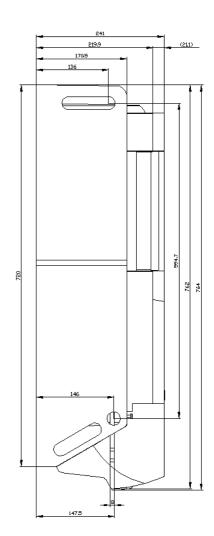
Fature communication modules • removable terminal for control circuit Yes • voltage ranp Yes • combined braking Yes • combined braking Yes • combined braking Yes • combined braking Yes • complore monitoring Yes • condition monitoring Yes • application witary operation mode(sy operation ves Yes energeny operational current • at 40 °C rated value 630 A et at 0 °C rated value 631 A at 60 °C rated value operational current at inside-delta circuit 101 A et at 0 °C rated value 200 480 V erated value 200 480 V <th>PROFlenergy</th> <th>Yes; in connection with the PROFINET Standard and PROFINET High-</th>	PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-
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• emergency operation mode Yes • eversing operation Yes Power Electronics ************************************		
• reversing operation Yes • off starting at heavy starting conditions Yes Operational current 630 A • if 40 °C rated value 630 A • if 40 °C rated value 561 A • at 60 °C rated value 510 A • at 60 °C rated value 510 A • at 60 °C rated value 510 A • at 60 °C rated value 972 A • at 60 °C rated value 983 A operating voltage 200 480 V • at 60 °C rated value 200 480 V • at 60 °C rated value 200 480 V • at 60 °C rated value 200 480 V • at 60 °C rated value 200 480 V • at 60 °C rated value 200 480 V • at 60 °C rated value 200 480 V • at 60 °C rated value 200 480 V • at 60 °C rated value 15 % relative negative tolerance of the operating voltage at inside-delta circuit 15 % relative negative tolerance of the operating voltage at inside-delta circuit at 40 °C rated value 355 kW • at 230 V at 10 °C rated value 50 Hz 50 Hz		
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• at 50 °C rated value 561 A • at 60 °C rated value 510 A operational current at inside-delta circuit 1091 A • at 40 °C rated value 972 A • at 60 °C rated value 200 480 V • at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage 10 % relative positive tolerance of the operating voltage at inside-delta circuit 10 % relative negative tolerance of the operating voltage at inside-delta circuit 10 % relative positive tolerance of the operating voltage at inside-delta circuit at 0 °C rated value 200 kW • at 230 V at 10 °C rated value 200 kW • at 400 V at at 0 °C rated value 50 kZ Operating frequency 1 rated value 50 kZ Operating frequency 2 rated value 60 Hz • at 400 V at inside-delta circuit at 40 °C rated value 50 Hz Operating frequency 2 rated value 60 Hz • at 400 °C after startup 10 % • at 400 °C after startup 10 % • at 40 °C cafter startup 108 W • at 40 °C during startup 953 W <t< td=""><td> at 40 °C rated value </td><td>630 A</td></t<>	 at 40 °C rated value 	630 A
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operational current at inside-delta circuit 1091 A • at 40 °C rated value 972 A • at 60 °C rated value 972 A operating voltage 883 A • rated value 200 480 V • at inside-delta circuit rated value 200 480 V • rated value 200 480 V • at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage -15 % relative negative tolerance of the operating voltage at inside-delta circuit 10 % relative negative tolerance of the operating voltage at inside-delta circuit 10 % operating power for 3-phase motors -15 % • at 230 V at 0 °C rated value 200 kW • at 230 V at 10 °C rated value 355 kW • at 40 V at inside-delta circuit at 40 °C rated value 356 kW • Operating frequency 1 rated value 60 Hz Operating frequency 2 rated value 60 Hz Operating frequency 2 rated value 60 Hz Operating frequency 1 rated value 60 Hz Operating frequency 2 rated value 60 Hz Operating frequency 1 rated value 60 Hz Operating frequency 1 rated value 60 Hz Operating frequency 2 rated value 10 % inininum load [%] 10 % power	• at 50 °C rated value	561 A
• at 40 °C rated value 1 091 A • at 50 °C rated value 972 A • at 60 °C rated value 883 A operating voltage 200 480 V • at inside-delta circuit rated value 200 480 V • at inside-delta circuit rated value 200 480 V • relative negative tolerance of the operating voltage 15 % relative negative tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at inside-delta circuit 10 % relative negative tolerance of the operating voltage at inside-delta circuit at 40 °C rated value 200 kW • at 230 V at 40 °C rated value 200 kW • at 230 V at 40 °C rated value 355 kW • at 400 V at inside-delta circuit at 40 °C rated value 355 kW • at 400 V at inside-delta circuit at 40 °C rated value 300 kW Operating frequency 1 rated value 60 Hz relative negative tolerance of the operating frequency 10 % relative negative tolerance of the current at AC 10 % • at 40 °C after startup 10 % • at 60 °C during startup 9 538 W • at 60 °C dur	• at 60 °C rated value	510 A
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Operating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %relative positive tolerance of the operating frequency10 %minimum load [%]10 %; Relative to set lepower loss [W] for rated value of the current at AC• at 40 °C after startup189 W• at 50 °C after startup135 W• at 60 °C after startup108 Wpower loss [W] at AC at current limitation 350 %• at 40 °C during startup9 538 W• at 60 °C during startup8 115 W• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup9 538 W• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup9 Current limitation 350 %• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup9 Current limitation 350 %• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup8 Current limitation 350 %• at 60 °C during startup7 Current limitation 350 %• at 60 °C during startup7 Current limitation 350 %• at 60 °C during startup7 Current limitation 350 %• at 60 °C during startup7 Current limitation 350 %• at 60 °C d	 at 400 V at 40 °C rated value 	355 kW
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power loss [W] at AC at current limitation 350 % • at 40 °C during startup 9 538 W • at 50 °C during startup 8 115 W • at 60 °C during startup 7 123 W type of the motor protection Electronic, tripping in the event of thermal overload of the motor Control circuit/ Control AC/DC type of voltage of the control supply voltage AC/DC		135 W
• at 40 °C during startup 9 538 W • at 50 °C during startup 8 115 W • at 60 °C during startup 7 123 W type of the motor protection Electronic, tripping in the event of thermal overload of the motor Control circuit/ Control AC/DC type of voltage of the control supply voltage AC/DC control supply voltage at AC AC/DC		108 W
• at 50 °C during startup 8 115 W • at 60 °C during startup 7 123 W type of the motor protection Electronic, tripping in the event of thermal overload of the motor Control circuit/ Control Electronic, tripping in the event of thermal overload of the motor type of voltage of the control supply voltage AC/DC control supply voltage at AC Electronic		
• at 60 °C during startup 7 123 W type of the motor protection Electronic, tripping in the event of thermal overload of the motor Control circuit/ Control type of voltage of the control supply voltage type of voltage at AC AC/DC		
type of the motor protection Electronic, tripping in the event of thermal overload of the motor Control circuit/ Control AC/DC type of voltage of the control supply voltage AC/DC control supply voltage at AC AC/DC		
Control circuit/ Control type of voltage of the control supply voltage AC/DC control supply voltage at AC		
type of voltage of the control supply voltage AC/DC control supply voltage at AC AC/DC		Electronic, tripping in the event of thermal overload of the motor
control supply voltage at AC	Control circuit/ Control	
	type of voltage of the control supply voltage	AC/DC
	control supply voltage at AC	
• at 50 Hz rated value 24 V	• at 50 Hz rated value	24 V
• at 60 Hz rated value 24 V	• at 60 Hz rated value	24 V

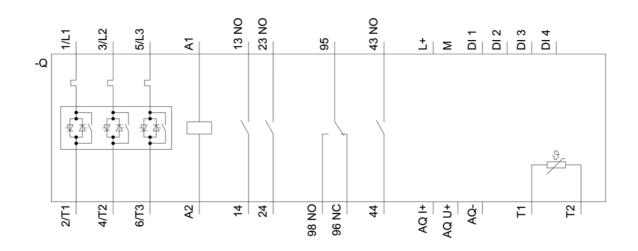
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
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 voltage	
 at DC rated value 	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	440 mA
holding current in bypass operation rated value	1 100 mA
locked-rotor current at close of bypass contact maximum	6.7 A
inrush current peak at application of control supply voltage maximum	7.5 A
duration of inrush current peak at application of control supply voltage	20 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	4
• parameterizable	4
number of inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
number of digital outputs	4
 number of digital outputs parameterizable 	3
number of digital outputs not parameterizable	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	
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	1A
Installation/ mounting/ dimensions	
mounting position	Vertical (can be rotated $\pm/-90^{\circ}$ and tilted forward or backward $\pm/-22.5^{\circ}$)
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing
fastening method	screw fixing
fastening method height	screw fixing 764 mm
fastening method height width	screw fixing 764 mm 478 mm
fastening method height width depth	screw fixing 764 mm
fastening method height width	screw fixing 764 mm 478 mm
fastening method height width depth required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm 10 mm
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm
fastening method height width depth required spacing with side-by-side mounting • forwards	screw fixing 764 mm 478 mm 241 mm 10 mm
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm
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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg
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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg
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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg

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 mm ² maximum	250 m
type of connectable conductor cross-sections	
 for DIN cable lug for main contacts stranded 	2x (50 240 mm²)
 for DIN cable lug for main contacts finely stranded 	2x (70 240 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 finely stranded with core end processing 	2x (24 16)
wire length	
 between soft starter and motor maximum 	800 m
 at the digital inputs at DC maximum 	1 000 m
tightening torque	
 for main contacts with screw-type terminals 	20 35 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 	177 310 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 acc. 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 acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during transport acc. 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
 PROFINET high-feature 	Yes
• EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
• of the fuse	
 usable for Standard Faults up to 575/600 V according to UL 	Type: Class J / L, max. 2000 A; Iq = 42 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 2000 A; Iq = 100 kA
 — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 2000 A; Iq = 42 kA
 usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 2000 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value	200 hp
 at 220/230 V at 50 °C rated value 	200 hp
• at 460/480 V at 50 °C rated value	450 hp

● at 200/208 V at value	t inside-delta circuit at 5	50 °C rated	350 hp		
	t inside-delta circuit at 5	50 °C rated	400 hp		
	t inside-delta circuit at 5	50 °C rated	850 hp		
contact rating of auxiliary contacts according to UL			R300-B300		
Safety related data	······				
-	on the front acc. to IE	C 60529	IP00		
electromagnetic cor		0 00020	acc. to IEC 60947-4-2		
ATEX	,				
certificate of suitabi	lity				
• ATEX			Yes		
• IECEx			Yes		
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