## SIEMENS

## Data sheet

## 3RW5547-6HA04



SIRIUS soft starter 200-480 V 470 A, 24 V AC/DC Screw terminals

product brand name	SIRIUS		
product category	Hybrid switching devices		
product designation	Soft starter		
product type designation	3RW55		
manufacturer's article number			
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>		
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>		
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	<u>3RW5950-0CH00</u>		
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>		
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>		
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>		
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>		
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1436-2; Type of coordination 2, Iq = 65 kA</u>		
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3340-8; Type of coordination 2, Iq = 65 kA		
eneral technical data			
starting voltage [%]	20 100 %		
stopping voltage [%]	50 %; non-adjustable		
start-up ramp time of soft starter	0 360 s		
ramp-down time of soft starter	0 360 s		

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	5 (based on IEC 61557-12)		
certificate of suitability			
CE marking	Yes		
• UL approval	Yes		

CSA approval	Yes	
product component		
HMI-High Feature	Yes	
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes	
product feature integrated bypass contact system	Yes	
number of controlled phases	3	
current unbalance limiting value [%]	10 60 %	
ground-fault monitoring limiting value [%]	10 95 %	
buffering time in the event of power failure		
<ul> <li>for main current circuit</li> </ul>	100 ms	
for control circuit	100 ms	
idle time adjustable	0 255 s	
insulation voltage rated value	480 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	1.15	
surge voltage resistance rated value	6 kV	
maximum permissible voltage for protective separation		
<ul> <li>between main and auxiliary circuit</li> </ul>	480 V; does not apply for thermistor connection	
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting	
recovery time after overload trip adjustable	60 1 800 s	
utilization category according to IEC 60947-4-2	AC 53a	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	02/15/2018	
	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 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 Dicyclohexyl phthalate (DCHP) - 84-61-7 Lead titanium trioxide - 12060-00-3	
product function		
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes	
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes	
<ul> <li>breakaway pulse</li> </ul>	Yes	
<ul> <li>adjustable current limitation</li> </ul>	Yes	
<ul> <li>creep speed in both directions of rotation</li> </ul>	Yes	
<ul> <li>pump ramp down</li> </ul>	Yes	
DC braking	Yes	
motor heating	Yes	
<ul> <li>slave pointer function</li> </ul>	Yes	
trace function	Yes	
<ul> <li>intrinsic device protection</li> </ul>	Yes	
<ul> <li>motor overload protection</li> </ul>	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.	
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick	
inside-delta circuit	Yes	
auto-RESET	Yes	
manual RESET	Yes	
remote reset	Yes	
<ul> <li>communication function</li> </ul>	Yes	
<ul> <li>operating measured value display</li> </ul>	Yes	
event list	Yes	
• error logbook	Yes	
<ul> <li>via software parameterizable</li> </ul>	Yes	
<ul> <li>via software configurable</li> </ul>	Yes	
<ul> <li>screw terminal</li> </ul>	Yes	
<ul> <li>spring-loaded terminal</li> </ul>	No	
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-Feature	

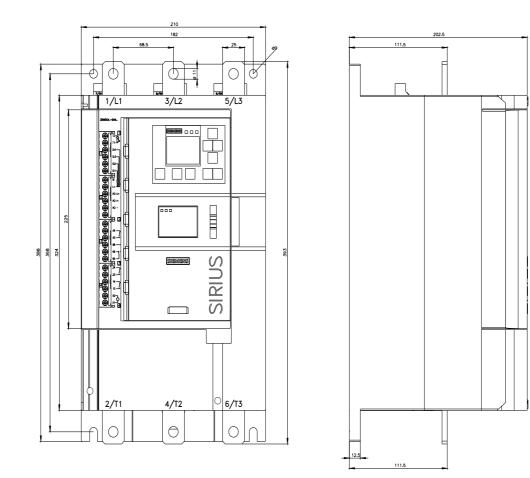
• removable tominal for control circuitYes• removable tominal for control circuitYes• concine-tominal control inputstructureYes• concine-tominal control inputstructureYes• concine-tominal control inputstructureYes• concine-tominationYes• concine-tominationYes		communication modules		
• National cancelYes• concluse brainingYes• concluse brainingYes• concluse monitoringYes• concluse monitoring woltage15 %• concluse monitoring woltage15	firmware update	Yes		
• torus     Ves       • conditional braking     Ves       • analog output     Ves       • programmable control inputs/outputs     Yes       • condition montroling     Ves       • analog output     Yes       • adubmatic parameterisation     Yes       • adubma	removable terminal for control circuit	Yes		
<ul> <li>ensure control</li> <li>construct biologing</li> <li>Yes</li> <li>analog output</li> <li>Yes</li> <li>Yes</li> <li>Analog output</li> <li>Yes</li>     &lt;</ul>	voltage ramp	Yes		
<ul> <li>combined braking</li> <li>valid optid</li> <li>Ves</li> <li>conciden monitoring</li> <li>Ves</li> <li>concident monitoring</li> <li>Ves</li> <li>concident monitoring</li> <li>Ves</li> <li>concident monitoring</li> <li>Ves</li> <li>concident mode</li> <li>ves</li> <li>Power flectional current</li> <li>concident mode</li> <li>ves</li> <li></li></ul>		Yes		
<ul> <li>condition monitor (publiculpuls)</li> <li>condition monitor (parameterisation)</li> <li>valuation (paramiton) (paramiton (parameterisation)</li></ul>	-	Yes		
<ul> <li>e. condition monitoring</li> <li>Yes</li> <li>e. application witards</li> <li>experience parameterisation</li> <li>experience parameterisation</li> <li>experience parameterisation</li> <li>experience parameterisation</li> <li>Yes</li> <li>expersion parameterisation</li> <li>Yes</li> <li>expersional current</li> <li>et al 0 10 rated value</li> <li>at 0 00 rated value<th>analog output</th><th colspan="2"></th></li></ul>	analog output			
• automatic parameterisation     Yes       • application visuals     Yes       • antemative nun down     Yes       • emergency operation mode     Yes       • emergency operation access     Yes       • of 40 °C rated value     94 A       • af 40 °C rated value     340 A       • af 40 °C rated value     344 A       • af 50 °C rated value     658 A       • operating outlage     721 A       • af 40 °C rated value     658 A       • operating outlage     10 %       • rated value     20 480 V       • at at 50 °C rated value     658 A       • operating outlage     10 %       • rated value     20 480 V       • at made-deta circuit rated value     20 480 V       • at made-deta circuit rated value     10 %       • rated value     50 Hz       • at 30 V at inside odeta circuit at 40 °C rated value     20 HW       • at 30 V at inside odeta circuit at 40 °C rated value     20 HW       • at 30 V at in		Yes		
extornatic parameterisation     Yes       explication witards     Yes       emergency operation mode     Yes       emergency operation mode     Yes       estimations and mode     Yes       estimations and mode     Yes       estimations and mode     Yes       exercing operation     Yes       estimations and the set of	condition monitoring	Yes		
- diferentise pur-down     Yes     ·emergency operation mode     Yes     Yos     Yes	-			
emergency operation mode     ves     evensing operation     ends starting conditions     Yes  Power Electronics  Power Electronics  Power and value starting conditions  Yes  Power and value current  end value value     ves     ves  Power and value value     ves	application wizards			
reversing operation     Yes     soft starting at heavy starting conditions     Yes     Yon     Yes     Ye	alternative run-down			
exits saring at heavy starting conditions         Yes           Power Electronics         Power Electronics           • at 40 °C rated value infinuum         470 A           • at 40 °C rated value infinuum         94 A           • at 40 °C rated value         380 A           • at 40 °C rated value         380 A           • at 40 °C rated value         380 A           • at 60 °C rated value         814 A           • at 60 °C rated value         658 A           • at 60 °C rated value         658 A           • at 60 °C rated value         658 A           • at 60 °C rated value         200 480 V           • at 60 °C rated value         200 480 V           • at 60 °C rated value         200 480 V           • rated value         200 480 V           • rated value         200 480 V           • rated value         200 480 V           relative negative tolerance of the operating voltage         10 %           relative positive tolerance of the operating voltage at inside-detta circuit         10 %           relative positive tolerance of the operating voltage at inside-detta circuit at 40 °C rated value         20 kW           • at 200 V at 140 °C rated value         20 kW         40 °C rated value           • at 200 V at 10 °C rated value	<ul> <li>emergency operation mode</li> </ul>	Yes		
power Electronics         470 A                et al 07 C rated value minimum          470 A                et al 07 C rated value minimum          48 A                et al 07 C rated value          380 A                operational current at inside-detta circuit          380 A                of e07 C rated value          380 A                operational current at inside-detta circuit          380 A                et al odd-detta circuit          380 A                of e07 C rated value          384 A                et al odd-detta circuit          380 A                operating voltage          71 A                et al odd-detta circuit          380 A                operating voltage          16 A                et at odd-detta circuit rated value          200 480 V                et at odd value          10 %                relative positive tolerance of the operating voltage at          10 %                relative positive tolerance of the operating voltage at                 relative positive tolerance of the operating voltage at          10 %              10	reversing operation	Yes		
operational current     470 A       • at 40 °C rade value minimum     94 A       • at 50 °C rade value minimum     94 A       • at 50 °C rade value     416 A       • at 60 °C rade value     880 A       operational current at inside-deta circuit     814 A       • at 60 °C rade value     721 A       • at 60 °C rade value     658 A       operating voltage     658 A       • at ado 'C rade value     658 A       operating voltage     10 %       • raded value     200 480 V       • at inside-deta circuit rade value     200 480 V       • raditive negative tolerance of the operating voltage     10 %       relative negative tolerance of the operating voltage at     10 %       relative negative tolerance of the operating voltage at     10 %       relative negative tolerance of the operating voltage at     10 %       relative negative tolerance of the operating voltage at     10 %       relative negative tolerance of the operating voltage at     132 kW       • at 230 V at inside-deta circuit at 40 °C rated value     250 kW       • at 400 V at inside-deta circuit at 40 °C rated value     50 Hz       Operating frequency 7 rated value     50 Hz       Operating frequency 7 rated value     60 Hz       relative negative tolerance of the operating frequency     10 %       rela	<ul> <li>soft starting at heavy starting conditions</li> </ul>	Yes		
• at 40 °C rated value     470 A       • at 40 °C rated value     94 A       • at 60 °C rated value     380 A       operational current at inside-delta circuit	Power Electronics			
• at 40 °C rated value minimum     94 Å       • at 60 °C rated value     380 Å       operational current at inside-deta circuit     814 Å       • at 40 °C rated value     814 Å       • at 60 °C rated value     721 Å       • at 60 °C rated value     688 Å       operating voltage     688 Å       • at 60 °C rated value     688 Å       operating voltage     10 %       • rated value     200 480 V       • rated value     10 %       • rated value     10 %       • rated value     10 %       • rated value     200 480 V       • at 200 V at 40 °C rated value     200 kW       • at 400 V at 40 °C rated value     50 Hz       • Deparating frequency 1 rated value     50 Hz       • parating frequency 1 rated value     60 Hz       • rated value of the operating requency     <	operational current			
• at 50 °C rated value     416 A       • at 60 °C rated value     380 A       operational current at inside-delta circuit     814 A       • at 40 °C rated value     688 A       • at 60 °C rated value     688 A       operating voltage     721 A       • at 60 °C rated value     688 A       operating voltage     200 480 V       • at 60 °C rated value     200 480 V       • at inside-delta circuit rated value     200 480 V       • raticat value     200 480 V       • raticat value     200 480 V       • raticative positive tolerance of the operating voltage     10 %       relative positive tolerance of the operating voltage at inside-delta circuit     10 %       relative positive tolerance of the operating voltage at inside-delta circuit     10 %       relative positive tolerance of the operating voltage at inside-delta circuit     10 %       operating frequency is rated value     200 kW       • at 230 V at 40 °C rated value     200 kW       • at 400 V at inside-delta circuit at 40 °C rated value     200 kW       • at 400 V at inside-delta circuit at 40 °C rated value     400 kW       Operating frequency is rated value     60 Hz       relative positive tolerance of the operating frequency     10 %       relative positive tolerance of the operating frequency     10 %       relative n	• at 40 °C rated value	470 A		
• at 80 °C rated value     380 A       operating of Crated value     814 A       • at 80 °C rated value     721 A       • at 80 °C rated value     658 A       operating voltage     721 A       • at inside-delta circuit rated value     200480 V       • at inside-delta circuit rated value     200480 V       • at inside-delta circuit rated value     200480 V       • relative positive tolerance of the operating voltage     10 %       relative positive tolerance of the operating voltage at     10 %       relative positive tolerance of the operating voltage at     10 %       relative delta circuit     10 %       operating over for 3-phase motors     12 kW       • at 200 V at 10 °C rated value     250 kW       • at 200 V at 10 °C rated value     250 kW       • at 200 V at 10 °C rated value     250 kW       • at 400 V at 40 °C rated value     250 kW       • at 400 V at 10 °C rated value     50 Hz       Operating frequency 1 rated value     50 Hz       Operating frequency 1 rated value     60 Hz       relative negative tolerance of the operating requency     10 %       relative negative tolerance of the operating frequency     10 %       relative positive tolerance of the operating frequency     10 %       relative negative tolerance of the operating frequency     10 %	• at 40 °C rated value minimum	94 A		
operational current at inside-delta circuit     814 A       • at 40 °C rated value     814 A       • at 60 °C rated value     658 A       operating voltage     658 A       • 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 at inside-delta circuit     10 %       relative negative tolerance of the operating voltage at inside-delta circuit     10 %       relative negative tolerance of the operating voltage at inside-delta circuit     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     10 %       • at 230 V at 40 °C rated value     250 kW       • at 400 V 41 visite-delta circuit at 40 °C rated value     50 Hz       Operating frequency 1 rated value     50 Hz       Operating frequency 1 rated value     60 Hz       relative negative tolerance of the operating frequency     10 %       relative negative tolerance of the operating frequency     10 %       relative negative tolerance of the operating frequency     10 %       minimum load [%]     10 %       power loss [W] for rated value     10 %       • at 40 °C after stat	● at 50 °C rated value	416 A		
• at 40 °C rated value     814 A       • at 60 °C rated value     721 A       • at 60 °C rated value     658 A       oporating voltage     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 at inside-delta circuit     -15 %       relative negative tolerance of the operating voltage at inside-delta circuit     -15 %       operating power for 3-phase motors     -15 %       • at 230 V at 0°C rated value     10 %       • at 230 V at 0°C rated value     250 kW       • at 230 V at 0°C rated value     50 Hz       Operating frequency 1 rated value     50 Hz       Operating frequency 2 rated value     50 Hz       Operating frequency 1 rated value     50 Hz       Operating frequency 2 rated value     50 Hz       operating frequency 1 rated value     50 Hz       operating frequency 1 rated value     10 %       • at 40 °C rater strup     10 %       • at 40 °C rater value     50 Hz       operating frequency 1 rated value     50 Hz       operating frequency 1 rated value     10 %       • at 40 °C after strup     10 %       • at 40 °C after strup     10 %       • at 40 °C after strup     10 %	• at 60 °C rated value	380 A		
• at 50 °C rated value     721 A       • at 60 °C rated value     658 A       operating voltage     200 480 V       • rated value     200 480 V       • at inside-defa circuit rated value     200 480 V       relative negative tolerance of the operating voltage     -15 %       relative negative tolerance of the operating voltage at inside-defa circuit     10 %       relative negative tolerance of the operating voltage at inside-defa circuit     10 %       relative negative tolerance of the operating voltage at inside-defa circuit at 40 °C rated value     10 %       operating power for 3-phase motors     132 kW       • at 230 V at 40 °C rated value     250 kW       • at 400 V at inside-defa circuit at 40 °C rated value     250 kW       • at 400 V at inside-defa circuit at 40 °C rated value     400 kW       Operating frequency 2 rated value     60 Hz       operating frequency 2 rated value     60 Hz       relative negative tolerance of the operating frequency     10 %       minimum load [%]     10 %; Relative to set le       power loss [W] for rated value of the current at AC     • at 40 °C rated value for 0 %       • at 40 °C during startup     141 W       • at 40 °C during startup     761 W       • at 40 °C during startup     50 W       • at 40 °C during startup     6400 W       • at 40 °C during startup <t< th=""><th>operational current at inside-delta circuit</th><th></th></t<>	operational current at inside-delta circuit			
• at 60 °C rated value     658 A       operating voltage     200 480 V       • rated value     200 480 V       • rated value     200 480 V       relative negative tolerance of the operating voltage     15 %       relative positive tolerance of the operating voltage     10 %       relative positive tolerance of the operating voltage at inside-delta circuit     10 %       relative positive tolerance of the operating voltage at inside-delta circuit     10 %       operating power for 3-phase motors     12 20 V at 0° C rated value       • at 230 V at inside-delta circuit at 40 °C rated value     250 kW       • at 400 V at inside-delta circuit at 40 °C rated value     250 kW       • at 400 V at inside-delta circuit at 40 °C rated value     250 kW       • at 400 V at inside-delta circuit at 40 °C rated value     20 kW       • at 400 V at inside-delta circuit at 40 °C rated value     20 kW       • at 400 V at inside-delta circuit at 40 °C rated value     20 kW       • at 40 °C atter starup     10 %       relative negative tolerance of the operating frequency     10 %       relative negative tolerance of the operating frequency     10 %       relative negative tolerance of the operating frequency     10 %       relative negative tolerance of the operating frequency     10 %       relative positive tolerance of the operating frequency     10 %       rela	• at 40 °C rated value	814 A		
operating voltage     200480 V       • rited value     200480 V       • relative construction rated value     200480 V       relative negative tolerance of the operating voltage     15 %       relative positive tolerance of the operating voltage at inside-deta circuit     -15 %       relative positive tolerance of the operating voltage at inside-deta circuit     -15 %       relative positive tolerance of the operating voltage at inside-deta circuit     -15 %       relative positive tolerance of the operating voltage at inside-deta circuit     10 %       operating power for 3-phase motors     -12 %       • at 230 V at 40 °C rated value     12 kW       • at 230 V at inside-deta circuit at 40 °C rated value     250 kW       • at 400 V at 40 °C rated value     250 kW       • at 400 V at 40 °C rated value     60 Hz       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     10 %       minimum load [%]     10 %; Relative to set le       power loss [W] for rated value of the current at AC     141 W       • at 40 °C darier startup     141 W       • at 60 °C after startup     141 W       • at 60 °C during startup     5 620 W <th>● at 50 °C rated value</th> <th>721 A</th>	● at 50 °C rated value	721 A		
rated value     200 480 V     e at inside-deta circuit rated value     200 480 V     relative negative tolerance of the operating voltage     15 %     relative negative tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage at     inside-deta circuit     relative positive tolerance of the operating voltage     i at 230 V at 40 °C rated value     i at 400 V at 40 °C rated value     250 kW     e at 400 V at 40 °C rated value     50 Hz     Operating frequency 1 rated value     50 Hz     Operating frequency 2 rated value     foldize positive tolerance of the operating frequency     10 %     relative positive tolerance of the operating frequency     10 %     relative positive tolerance of the operating frequency     10 %     relative positive tolerance of the operating frequency     10 %     relative positive tolerance of the operating frequency     10 %     relative positive tolerance of the operating frequency     10 %     e at 60 °C after startup     i at 60 °C after startup     250 KW     e at 60 °C during startup     for C during startup     for the arout positive tolerance     e at 60 °C after startup     for the arout positive tolerance     for C during startup     for the arout positive tolerance     for C during startup     for the arout positive tolerance     for the arout portication     for the arout value     for C during startup     f	• at 60 °C rated value	658 A		
• at inside-delta circuit rated value     200 480 V       relative positive tolarance of the operating voltage     -15 %       relative positive tolarance of the operating voltage at inside-delta circuit     -15 %       relative negative tolarance of the operating voltage at inside-delta circuit     -15 %       relative negative tolarance of the operating voltage at inside-delta circuit     10 %       operating power for 3-phase motors     -15 %       • at 230 V at 40 °C rated value     122 kW       • at 230 V at inside-delta circuit at 40 °C rated value     250 kW       • at 230 V at inside-delta circuit at 40 °C rated value     250 kW       • at 400 V at 40 °C rated value     250 kW       • at 400 V at 40 °C rated value     50 Hz       Operating frequency 1 rated value     60 Hz       relative positive tolarance of the operating frequency     10 %       minimum load [%]     10 %       power loss [W] for rated value of the current at AC     141 W       • at 60 °C after startup     141 W       • at 60 °C after startup     144 °C       • at 60 °C during startup     640 W       • at 60 °C during startup     6400 W       • at	operating voltage			
relative negative tolerance of the operating voltage       -15 %         relative positive tolerance of the operating voltage at inside-detta circuit       -15 %         relative positive tolerance of the operating voltage at inside-detta circuit       -15 %         relative positive tolerance of the operating voltage at inside-detta circuit       10 %         operating power for 3-phase motors       -15 %         • at 230 V at 0° C rated value       132 kW         • at 230 V at 10% - detta circuit at 40 °C rated value       250 kW         • at 400 V at inside-detta circuit at 40 °C rated value       250 kW         • at 400 V at inside-detta circuit at 40 °C rated value       60 Hz         Operating frequency 1 rated value       60 Hz         relative positive tolerance of the operating frequency       -10 %         relative negative tolerance of the operating frequency       -10 %         relative negative tolerance of the operating frequency       -10 %         relative negative tolerance of the operating frequency       -10 %         relative negative tolerance of the operating frequency       -10 %         relative negative tolerance of the current at AC       •         • at 40 °C after startup       141 W         • at 40 °C during startup       5 620 W         • at 60 °C during startup       5 620 W         type of the moto	rated value	200 480 V		
relative positive tolerance of the operating voltage       10 %         relative negative tolerance of the operating voltage at inside-detic circuit       -15 %         relative positive tolerance of the operating voltage at inside-detic circuit       10 %         operating power for 3-phase motors       10 %         • at 230 V at 40 °C rated value       250 kW         • at 230 V at 40 °C rated value       250 kW         • at 400 V at inside-detia circuit at 40 °C rated value       260 kW         • at 400 V at inside-detia circuit at 40 °C rated value       260 kW         • at 400 V at inside-detia circuit at 40 °C rated value       260 kW         • at 400 V at inside-detia circuit at 40 °C rated value       60 Hz         operating frequency 1 rated value       60 Hz         relative negative tolerance of the operating frequency       10 %         minimum load [%]       10 %; Relative to set le         power loss [W] for rated value of the current at AC       414 W         • at 40 °C during startup       114 W         • at 60 °C after startup       125 W         • at 60 °C during startup       5620 W         • at 60 °C during startup       6400 W         • at 60 °C during startup       5820 W         • at 60 °C during startup       5820 W         • at 60 °C during startup       5400 W<	<ul> <li>at inside-delta circuit rated value</li> </ul>	200 480 V		
relative negative tolerance of the operating voltage at inside-delta circuit       -15 %         relative positive tolerance of the operating voltage at inside-delta circuit       10 %         operating power for 3-phase motors       132 kW         • at 230 V at 10 °C rated value       132 kW         • at 230 V at 10 °C rated value       250 kW         • at 400 V at 0 °C rated value       250 kW         • at 400 V at 0 °C rated value       60 Hz         Operating frequency 1 rated value       60 Hz         relative negative tolerance of the operating frequency       10 %         minimum load [%]       10 %         power loss [W] for rated value of the current at AC       60 Hz         • at 40 °C after startup       11 W         • at 60 °C after startup       12 KW         • at 40 °C during startup       56 W         • at 40 °C during startup       141 W         • at 40 °C during startup       141 W         • at 40 °C during startup       141 W         • at 40 °C during startup       6400 W         • at 40 °C during startup       620 W         type of the motor protection       Electronic, tripping in the event of the motor         Control circuit/ Control       12 V         type of voltage of the control supply voltage       AC/DC	relative negative tolerance of the operating voltage	-15 %		
Inside-detic circuit       10 %         relative positive tolerance of the operating voltage at inside-detic circuit       10 %         operating power for 3-phase motors       132 kW         • at 230 V at 40 °C rated value       132 kW         • at 240 V at inside-detic acrouit at 40 °C rated value       250 kW         • at 400 V at inside-detia circuit at 40 °C rated value       250 kW         • at 400 V at inside-detia circuit at 40 °C rated value       60 Hz         Operating frequency 1 rated value       60 Hz         relative negative tolerance of the operating frequency       10 %         relative positive tolerance of the operating frequency       10 %         minimum load [%]       10 %         power loss [W] for rated value of the current at AC       60 Hz         • at 40 °C after startup       141 W         • at 40 °C difer startup       141 W         • at 40 °C difer startup       144 W         • at 40 °C during startup       6400 W         • at 40 °C during startup       6620 W         • at 40 °C during startup       620 W         • at 50 °C during startup       620 W         • at 50 °C during startup       620 W         • at 60 °C during startup       620 W         • at 60 °C during startup       620 W         •	relative positive tolerance of the operating voltage	10 %		
inside-delta circuit     inside-delta circuit       operating power for 3-phase motors     it 230 V at 40 °C rated value     132 kW       e at 230 V at inside-delta circuit at 40 °C rated value     250 kW       e at 400 V at inside-delta circuit at 40 °C rated value     400 kW       Operating frequency 1 rated value     50 Hz       Operating frequency 2 rated value     60 Hz       relative negative tolerance of the operating frequency     10 %       minimum load [%]     10 %; Relative to set le       power loss [W] for rated value of the current at AC     440 °C after startup       e at 60 °C after startup     141 W       e at 60 °C after startup     142 W       e at 60 °C during startup     640 W       e at 60 °C during startup     562 W       e at 50 °C during startup     6400 W       e at 50 °C during startup     5620 W       type of the motor protection     Electronic, tripping in the event of thermal overload of the motor       Control supply voltage at AC     24 V       e at 50 Hz rated value     24 V       e at 60 Hz rated value     24 V       e at 60 Hz rated value     24 V		-15 %		
• at 230 V at 40 °C rated value       132 kW         • at 230 V at inside-delta circuit at 40 °C rated value       250 kW         • at 400 V at 0 °C rated value       250 kW         • at 400 V at inside-delta circuit at 40 °C rated value       250 kW         • at 400 V at inside-delta circuit at 40 °C rated value       400 kW         Operating frequency 1 rated value       60 Hz         relative negative tolerance of the operating frequency       -10 %         relative negative tolerance of the operating frequency       -10 %         minimum load [%]       10 %; Relative to set le         power loss [W] for rated value of the current at AC       -         • at 40 °C after startup       141 W         • at 40 °C during startup       141 W         • at 60 °C after startup       141 W         • at 60 °C during startup       6400 W         • at 60 °C during startup       6400 W         • at 60 °C during startup       5620 W         type of the motor protection       Electronic, tripping in the event of thermal overload of the motor         Control supply voltage at AC       -         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         • at 60 Hz rated value       24 V         • at 60 Hz rated value       24 V		10 %		
• at 230 V at inside-delta circuit at 40 °C rated value       250 kW         • at 400 V at 40 °C rated value       250 kW         • at 400 V at inside-delta circuit at 40 °C rated value       400 kW         Operating frequency 1 rated value       60 Hz         Operating frequency 2 rated value       60 Hz         relative negative tolerance of the operating frequency       -10 %         relative negative tolerance of the operating frequency       10 %         minimum load [%]       10 %; Relative to set le         power loss [W] for rated value of the current at AC       -         • at 40 °C after startup       141 W         • at 60 °C after startup       125 W         • at 60 °C dring startup       144 W         • at 60 °C during startup       6400 W         • at 60 °C during startup       5620 W         • at 60 °C during startup       24 V	operating power for 3-phase motors			
• at 400 V at 40 °C rated value250 kW• at 400 V at inside-delta circuit at 40 °C rated value400 kWOperating 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 startup141 W• at 60 °C after startup125 W• at 60 °C after startup114 W• at 60 °C during startup6 400 W• at 60 °C during startup5 620 W• at 60 °C during startup5 620 W• at 60 °C during startup5 620 W• at 50 °C during startup5 620 W• at 60 °C during startup5 620 W• at 60 °C during startup24 V• at 60 Hz rated value24 V• at 50 Hz rated value20 %	<ul> <li>at 230 V at 40 °C rated value</li> </ul>	132 kW		
e at 400 V at inside-delta circuit at 40 °C rated value     400 kW       Operating frequency 1 rated value     50 Hz       Operating frequency 2 rated value     60 Hz       relative negative tolerance of the operating frequency     -10 %       relative positive tolerance of the operating frequency     10 %       minimum load [%]     10 %; Relative to set le       power loss [W] for rated value of the current at AC     414 W       e at 40 °C after startup     141 W       e at 60 °C after startup     125 W       e at 60 °C after startup     114 W       power loss [W] at AC at current limitation 350 %        e at 40 °C during startup     6 400 W       e at 60 °C during startup     5620 W       type of the motor protection     Electronic, tripping in the event of thermal overload of the motor       Control circuit/ Control     24 V       e at 50 Hz rated value     24 V	<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	250 kW		
Operating frequency 1 rated value         50 Hz           Operating frequency 2 rated value         60 Hz           relative negative tolerance of the operating frequency         -10 %           relative positive tolerance of the operating frequency         10 %           minimum load [%]         10 %; Relative to set le           power loss [W] for rated value of the current at AC         41 W           • at 40 °C after startup         141 W           • at 50 °C after startup         141 W           • at 60 °C during startup         144 W           power loss [W] at AC at current limitation 350 %         •           • at 40 °C during startup         6 400 W           • at 60 °C during startup         5 620 W           type of the motor protection         Electronic, tripping in the event of thermal overload of the motor           Control circuit/ Control         type of the control supply voltage           type of voltage of the control supply voltage         AC/DC           control supply voltage at AC         24 V           • at 50 Hz rated value         24 V           • at 50 Hz	• at 400 V at 40 °C rated value	250 kW		
Operating frequency 2 rated value       60 Hz         relative negative tolerance of the operating frequency       -10 %         relative positive tolerance of the operating frequency       10 %         minimum load [%]       10 %; Relative to set le         power loss [W] for rated value of the current at AC           • at 40 °C after startup       141 W         • at 50 °C after startup       125 W         • at 60 °C after startup       114 W         power loss [W] at AC at current limitation 350 %           • at 40 °C during startup       6400 W         • at 60 °C during startup       6400 W         • at 60 °C during startup       5620 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 of the control supply voltage       AC/DC         control supply voltage at AC           • at 50 Hz rated value       24 V         • at 60 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          -20 %         relative positive toler	<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	400 kW		
relative negative tolerance of the operating frequency       -10 %         relative positive tolerance of the operating frequency       10 %         minimum load [%]       10 %; Relative to set le         power loss [W] for rated value of the current at AC       141 W         • at 40 °C after startup       141 W         • at 50 °C after startup       125 W         • at 60 °C after startup       114 W         power loss [W] at AC at current limitation 350 %       6400 W         • at 60 °C during startup       6 400 W         • at 60 °C during startup       5 620 W         type of the motor protection       Electronic, tripping in the event of thermal overload of the motor         Control circuit/ Control       24 V         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         • at 60 Hz rated value       24 V         • at 50 Hz rated value       24 V         • at 50 Hz rated value       24 V         • at 50 Hz rated value       24 V         • at 60 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         • at 60 Hz rated value       24 V	Operating frequency 1 rated value	50 Hz		
relative positive tolerance of the operating frequency       10 %         minimum load [%]       10 %; Relative to set le         power loss [W] for rated value of the current at AC       141 W         • at 40 °C after startup       141 W         • at 50 °C after startup       125 W         • at 60 °C after startup       114 W         power loss [W] at AC at current limitation 350 %       •         • at 40 °C during startup       7 651 W         • at 50 °C during startup       6 400 W         • at 60 °C during startup       5 620 W         type of the motor protection       Electronic, tripping in the event of thermal overload of the motor         Control circuit/ Control       V         type of voltage of the control supply voltage       AC/DC         control supply voltage at AC       24 V         • at 60 Hz rated value       24 V         relative negative tolerance of the control supply voltage at AC       -20 %         -20 %       20 % <th>Operating frequency 2 rated value</th> <th colspan="2">g frequency 2 rated value 60 Hz</th>	Operating frequency 2 rated value	g frequency 2 rated value 60 Hz		
minimum load [%]       10 %; Relative to set le         power loss [W] for rated value of the current at AC       141 W         • at 40 °C after startup       141 W         • at 50 °C after startup       125 W         • at 60 °C after startup       114 W         power loss [W] at AC at current limitation 350 %       7 651 W         • at 40 °C during startup       6 400 W         • at 60 °C during startup       5 620 W         • at 60 °C during startup       5 620 W         type of the motor protection       Electronic, tripping in the event of thermal overload of the motor         Control circuit/ Control       C/DC         control supply voltage at AC       24 V         • at 50 Hz rated value       24 V         • at 60 Hz rated value       20 %	relative negative tolerance of the operating frequency	-10 %		
power loss [W] for rated value of the current at AC <ul> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 60 °C after startup</li> </ul> 141 W           e at 60 °C after startup         114 W           power loss [W] at AC at current limitation 350 % <ul> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>6 400 W</li> <li>at 60 °C during startup</li> <li>6 400 W</li> <li>at 60 °C during startup</li> <li>5 620 W</li> </ul> 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           at 50 Hz rated value               at 50 Hz rated value               e at 60 Hz rated value               e at 60 Hz rated value               relative negative tolerance of the control supply voltage at <ld>-20 %</ld>	relative positive tolerance of the operating frequency	10 %		
<ul> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 60 °C after startup</li> <li>114 W</li> <li>power loss [W] at AC at current limitation 350 %</li> <li>at 40 °C during startup</li> <li>7 651 W</li> <li>at 50 °C during startup</li> <li>6 400 W</li> <li>at 60 °C during startup</li> <li>5 620 W</li> <li>type of the motor protection</li> <li>Electronic, tripping in the event of thermal overload of the motor</li> <li>Control circuit/ Control</li> <li>type of voltage of the control supply voltage</li> <li>AC/DC</li> <li>control supply voltage at AC</li> <li>at 50 Hz rated value</li> <li>24 V</li> <li>relative negative tolerance of the control supply voltage at</li> <li>20 %</li> </ul>		10 %; Relative to set le		
• at 50 °C after startup125 W• at 60 °C after startup114 Wpower loss [W] at AC at current limitation 350 %-• at 40 °C during startup7 651 W• at 50 °C during startup6 400 W• at 60 °C during startup5 620 Wtype of the motor protectionElectronic, tripping in the event of thermal overload of the motorControl circuit/ Control				
• at 60 °C after startup114 Wpower loss [W] at AC at current limitation 350 %7• at 40 °C during startup7• at 50 °C during startup6• at 50 °C during startup6• at 60 °C during startup5• at 60 °C during startup6• at 50 °C during startupAC/DC• at 50 rectrol supply voltageAC/DC• at 50 Hz rated value24 V• at 60 Hz rated value24 V• at 60 Hz rated value24 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 Hz20 %	·			
power loss [W] at AC at current limitation 350 %         • at 40 °C during startup         • at 50 °C during startup         • at 60 °C during startup         • at 60 °C during startup         5 620 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         AC/DC         control supply voltage at AC         • at 50 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 %				
• at 40 °C during startup       7 651 W         • at 50 °C during startup       6 400 W         • at 60 °C during startup       5 620 W         type of the motor protection       Electronic, tripping in the event of thermal overload of the motor         Control circuit/ Control       Kontrol         type of voltage of the control supply voltage       AC/DC         control supply voltage at AC       24 V         • at 50 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 %	•	114 W		
• at 50 °C during startup       6 400 W         • at 60 °C during startup       5 620 W         type of the motor protection       Electronic, tripping in the event of thermal overload of the motor         Control circuit/ Control       Korter of the control supply voltage         type of voltage of the control supply voltage       AC/DC         control supply voltage at AC       24 V         • at 50 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 %		7 054 114		
• at 60 °C during startup       5 620 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       AC/DC         control supply voltage at AC          • at 50 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 %				
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       24 V         • at 50 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 %				
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 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 %	· · ·			
control supply voltage at AC       24 V         • at 50 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 %		Electronic, tripping in the event of thermal overload of the motor		
control supply voltage at AC       24 V         • at 50 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 %	type of voltage of the control supply voltage	AC/DC		
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>24 V</li> <li>24 V</li> <li>relative negative tolerance of the control supply voltage at AC at 50 Hz</li> <li>relative positive tolerance of the control supply voltage at</li> <li>20 %</li> </ul>				
relative negative tolerance of the control supply voltage at       -20 %         AC at 50 Hz       20 %		24 V		
AC at 50 Hz relative positive tolerance of the control supply voltage at 20 %	• at 60 Hz rated value	24 V		
		-20 %		
		20 %		

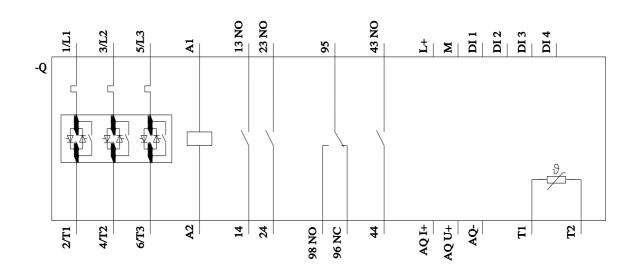
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relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %	
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %	
control supply voltage frequency	50 60 Hz	
relative negative tolerance of the control supply voltage frequency	re tolerance of the control supply voltage -10 %	
relative positive tolerance of the control supply voltage frequency	ance of the control supply voltage 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	720 mA	
inrush current by closing the bypass contacts 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	
'		
<ul> <li>number of digital outputs</li> </ul>	4	
number of digital outputs parameterizable	3	
<ul> <li>number of digital outputs not parameterizable</li> </ul>	1	
digital output version	3 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	1A	
Installation/ mounting/ dimensions		
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)	
fastening method	screw fixing	
height	393 mm	
width	210 mm	
depth	203 mm	
required spacing with side-by-side mounting	200 (1011	
forwards	10 mm	
lorwards     backwards	0 mm	
	0 mm 100 mm	
<ul> <li>upwards</li> <li>downwards</li> </ul>	75 mm	
• at the side	5 mm	
weight without packaging	10.9 kg	
Connections/ Terminals		
type of electrical connection	husher connection	
for main current circuit	busbar connection	
• for control circuit	screw-type terminals	
width of connection bar maximum	45 mm	
wire length for thermistor connection	50	
• with conductor cross-section = 0.5 mm <sup>2</sup> maximum	50 m	
• with conductor cross-section = 1.5 mm <sup>2</sup> maximum	150 m	
• with conductor cross-section = 2.5 mm <sup>2</sup> maximum	250 m	
type of connectable conductor cross-sections		
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (50 240 mm²)	
<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	2x (70 240 mm²)	
type of connectable conductor cross-sections		

<ul> <li>for control circuit solid</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)	
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)	
<ul> <li>for AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)	
wire length		
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m	
<ul> <li>at the digital inputs at DC maximum</li> </ul>	e digital inputs at DC maximum 1 000 m	
tightening torque		
<ul> <li>for main contacts with screw-type terminals</li> </ul>	14 24 N·m	
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m	
tightening torque [lbf·in]		
<ul> <li>for main contacts with screw-type terminals</li> </ul>	124 210 lbf in	
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf·in	
Ambient conditions		
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog	
ambient temperature		
<ul> <li>during operation</li> </ul>	-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	
<ul> <li>during transport according to IEC 60721</li> </ul>	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	
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		
<ul> <li>or the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 1600 A; Iq = 30 kA	
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 1200 A; Iq = 100 kA	
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 1600 A; lq = 30 kA	
— usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class J / L, max. 1200 A; Iq = 100 kA	
operating power [hp] for 3-phase motors		
• at 200/208 V at 50 °C rated value	150 hp	
• at 220/230 V at 50 °C rated value	150 hp	
• at 460/480 V at 50 °C rated value	350 hp	
• at 200/208 V at inside-delta circuit at 50 °C rated value	250 hp	
• at 220/230 V at inside-delta circuit at 50 °C rated value	250 hp	
• at 460/480 V at inside-delta circuit at 50 °C rated value	600 hp	
contact rating of auxiliary contacts according to UL	R300-B300	
Electrical Safety		
protection class IP on the front according to IEC 60529	IP00; IP20 with cover	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover	
ATEX		
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1	
	demand rate according to IEC 61508 5E-7 1/h	
relating to ATEX	5E-7 1/h	

PFDavg with low dema relating to ATEX	and rate according to IE	C 61508	0.008			
hardware fault toleran ATEX	ce according to IEC 615	08 relating to	0			
T1 value for proof test IEC 61508 relating to A	interval or service life a	ccording to	3 a			
certificate of suitability	у					
• ATEX			Yes			
• IECEx			Yes			
<ul> <li>according to ATE</li> </ul>	X directive 2014/34/EU		BVS 1	8 ATEX F 003 X		
type of protection acc	ording to ATEX directive	e 2014/34/EU	II (2)G [Ex db		[Ex pxb Gb], II (2)D [Ex tl	b Db] [Ex pxb Db], I (M2)
Approvals Certificates						
General Product Appr	oval					
	CCC	<u>Confirmatio</u>	n	UK CA	CE EG-Konf.	
General Product Ap- proval	EMV			For use in hazardou	s locations	Test Certificates
EHC	RCM	KC		KEx ATEX	IECEx	Type Test Certific- ates/Test Report
Marine / Shipping					other	Environment
ABS	B U REAU VERITAS	Lloyds Kegister us		PRS	<u>Confirmation</u>	Siemens EcoTech
Environment						
EPD	Environmental Con- firmations					

formation on the packaging	
tps://support.industry.siemens.com/cs/ww/en/view/	<u>109813875</u>
formation- and Downloadcenter (Catalogs, Broot tps://www.siemens.com/ic10	chures,)
dustry Mall (Online ordering system)	
tps://mall.industry.siemens.com/mall/en/en/Catalog	a/product?mlfb=3RW5547-6HA04
ax online generator	
tp://support.automation.siemens.com/WW/CAXord	er/default.aspx?lang=en&mlfb=3RW5547-6HA04
ervice&Support (Manuals, Certificates, Characte tps://support.industry.siemens.com/cs/ww/en/ps/3F	
nage database (product images, 2D dimension of the second se	drawings, 3D models, device circuit diagrams, EPLAN macros,) <a href="https://www.sec.englister.com">sec.englister.com</a> , and a sec.englister.com
haracteristic: Tripping characteristics, I <sup>2</sup> t, Let-th	nrough current
tps://support.industry.siemens.com/cs/ww/en/ps/3F	<u>RW5547-6HA04/char</u>
haracteristic: Installation altitude	
tp://www.automation.siemens.com/bilddb/index.asp	px?view=Search&mlfb=3RW5547-6HA04&objecttype=14&gridview=view1
mulation Tool for Soft Starters (STS)	
tps://support.industry.siemens.com/cs/ww/en/view/	/101494917





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