## SIEMENS

## Data sheet

## 3RW5245-2TC04



SIRIUS soft starter 200-480 V 315 A, 24 V AC/DC spring-type terminals Thermistor input

product brand name         SIRUS           product designation         Soft starter           product designation         3RW52           manufacture's article number         of standard HMI module usable           of dight feature HMI module usable         3RW5980-0LFD0           of dight feature HMI module usable         3RW5980-0LFD0           of communication module PROFIBUS usable         3RW5980-0CFD0           of communication module Modbus TCP usable         3RW5980-0CFD0           of communication module Modbus RTU usable         3RW5980-0CFD0           of circuit breaker usable at 400 V         3RW5980-0CFD0           of circuit breaker usable at 500 V         3VA2440-7MN32-0AA0. Type of coordination 1. Ig = 65 kA. CLASS 10           circuit         of the gG fuse usable up to 690 V         2x3NA3365-6; Type of coordination 1. Ig = 65 kA           of the gG fuse usable up to 690 V         3NE1334-2; Type of coordination 1. Ig = 65 kA           of the gG fuse usable up to 690 V         3NE1334-2; Type of coordinatio					
product designation         Soft starter           product type designation         3RW/52           manufacture's article number         3RW/52           • of standard HMI module usable         3RW/5880-0LFS00           • of diph feature HMI module usable         3RW/5880-0LFS00           • of communication module PROFINET standard         3RW/5880-0CFS00           • of communication module Modus TCD usable         3RW/5880-0CFS00           • of communication module Modus RTU usable         3RW/5880-0CFS00           • of circuit breaker usable at 400 V         3RW/5880-0CFS00           • of circuit breaker usable at 400 V         3RW/5880-0CFS00           • of circuit breaker usable at 400 V         3RW/5880-0CFS00           • of circuit breaker usable at 500 V         3RW/5880-0CFS00           • of circuit breaker usable at 400 V at inside-delta circuit up to 500 V         3VA2440-7MN32-0AA0: Type of coordination 1. Iq = 65 kA. CLASS 10           • of the gG fuse usable at inside-delta circuit up to 500 V         • of the gG fuse usable at inside-delta circuit up to 500 V           • of full range R fuse link for semiconductor protection usable up to 690 V         • of full range R fuse link for semiconductor protection usable up to 690 V           • of back-up R fuse link for semiconductor protection usable up to 690 V         • of back-up R fuse link for semiconductor protection usable up to 690 V           • of back-up R fuse link for	product brand name				
product type designation         3RW52           manufacturer's article number         3RW52           of standard HMI module usable         3RW5980-0H500           of of high feature HMI module usable         3RW5980-0H500           of ormunication module PROFINET standard         3RW5980-0CF00           usable         3RW5980-0CF00           of communication module Modous TCP usable         3RW5980-0CF00           of communication module Ethernet/IP         3RW5980-0CF00           of circuit breaker usable at 400 V         3RW5980-0CF00           of circuit breaker usable at 400 V         3RW5880-0CF00           of circuit breaker usable at 500 V         3RV5880-0CF00           of circuit breaker usable at 400 V         3RV5880-0CF00           of circuit breaker usable at 400 V         3RV5880-0CF00           of circuit breaker usable at 500 V         3RV5880-0CF00           of circuit breaker usable at 500 V         3RV5880-0CF00           of the gG fuse usable up to 690 V         3RV5880-0CF00           of the gG fuse usable up to 690 V         2x3NA3365-6; Type of coordination 1, Iq = 65 kA           of the gG fuse usable tink for semiconductor protection         3NE1334:2; Type of coordination 2, Iq = 65 kA           usable up to 690 V         2x3NA3365-6; Type of coordination 2, Iq = 65 kA           of the gG fuse usable tink for					
imanufacturer's article number       38W5980-0HS00         of standard HMI module usable       38W5980-0HS00         of high feature HMI module usable       38W5980-0CS00         of communication module PROFINET standard       38W5980-0CS00         of communication module PROFINET standard       38W5980-0CF00         of communication module Modbus TCP usable       38W5980-0CF00         of communication module Ethernet/IP       38W5980-0CF00         of circuit breaker usable at 400 V       38W5980-0CF00         of circuit breaker usable at 90 V       38W5980-0CF00         of the gG fuse usable at 500 V       38W5980-0CF00         of the gG fuse usable at inside-delta circuit up to 500 V       38W5980-0CF00         of the gG fuse usable at 500 V       2x3NA385-6; Type of coordination 1, Iq = 65 kA, CLASS 10         stopping voltage [%]       30 100 %         starting voltage [%]       30 100 %         starting voltage [%]       30 100 %         starting voltage [%]					
• of standard HMI module usable       3RW5980-0HS00         • of high feature HMI module usable       3RW5980-0HS00         • of communication module PROFINET standard       3RW5980-0CS00         • of communication module Modbus RTU usable       3RW5980-0CR00         • of communication module Modbus RTU usable       3RW5980-0CR00         • of communication module Modbus RTU usable       3RW5980-0CR00         • of circuit breaker usable at 400 V       3VA2440-7MN32-0AA0: Type of coordination 1. I.g = 65 kA. CLASS 10         • of circuit breaker usable at 400 V at inside-delta circuit       3VA2440-7MN32-0AA0: Type of coordination 1. I.g = 65 kA. CLASS 10         • of dircuit breaker usable at 500 V at inside-delta circuit       3VA2580-6HN32-0AA0: Type of coordination 1. I.g = 65 kA. CLASS 10         • of the gG fuse usable at 500 V at inside-delta circuit       3VA2580-6HN32-0AA0: Type of coordination 1. I.g = 65 kA. CLASS 10         • of the gG fuse usable at 500 V at inside-delta circuit up to 500 V       2x3NA3365-6; Type of coordination 1. I.g = 65 kA.         • of the gG fuse usable at folde-delta circuit up to 500 V       3NE1334-2; Type of coordination 2. I.g = 65 kA         • of back-up R fuse link for semiconductor protection usable up to 690 V       3NE1334-2; Type of coordination 2. I.g = 65 kA         • of back-up R fuse link for semiconductor protection usable up to 690 V       3NE1334-2; Type of coordination 2. I.g = 65 kA         • of back-up R fuse link for semiconductor protection us		3RW52			
of high feature HMI module usable3RW5980-OHEO• of communication module PROFIBUS usable3RW5980-OCS00• of communication module PROFIBUS usable3RW5980-OCC00• of communication module Modbus TCP usable3RW5980-OCC00• of communication module Ethernet/IP3RW5980-OCC00• of circuit breaker usable at 400 V3VA2440-7MN32-0AA0: Type of coordination 1. lg = 65 kA. CLASS 10• of circuit breaker usable at 500 V3VA2440-7MN32-0AA0: Type of coordination 1. lg = 65 kA. CLASS 10• of circuit breaker usable at 400 V at inside-delta3VA2580-6HN32-0AA0: Type of coordination 1. lg = 65 kA. CLASS 10• of circuit breaker usable at 500 V at inside-delta3VA2580-6HN32-0AA0: Type of coordination 1. lg = 65 kA. CLASS 10• of circuit breaker usable at 500 V at inside-delta3VA2580-6HN32-0AA0: Type of coordination 1. lg = 65 kA. CLASS 10• of the gG fuse usable up to 690 V2X3NA3365-6; Type of coordination 1. lg = 65 kA.• of full range R fuse link for semiconductor protection3NE1334-2; Type of coordination 2. lg = 65 kAusable up to 690 V3NE3336; Type of coordination 2. lg = 65 kA• of full range R fuse link for semiconductor protection3NE336; Type of coordination 2. lg = 65 kAusable up to 690 V3NE3336; Type of coordination 2. lg = 65 kA• of full range R fuse link for semiconductor protection3NE3336; Type of coordination 2. lg = 65 kAusable up to 690 V3NE3336; Type of coordination 2. lg = 65 kA• of subability90 100 %• ctruet Iting value [%]30 100 %• ctruet Iting value [%]30 700 %• ctruet Iting value					
of communication module PROFINET standard usable     of communication module PROFIBUS usable     of communication module Modbus TCP usable     of communication module Modbus TCP usable     of communication module Ethernet/IP     of circuit breaker usable at 400 V     of circuit breaker usable at 500 V     of the gG fuse usable at 500 V     of full range R fuse link for semiconductor protection     usable up to 690 V     of full range R fuse link for semiconductor protection     usable up to 690 V     of full range R fuse link for semiconductor protection     usable up to 690 V     of full range R fuse link for semiconductor protection     usable up to 690 V     of full range R fuse link for semiconductor protection     usable up to 690 V     of the gG fuse usable at 500 V     of the gG fuse link for semiconductor protection     usable up to 690 V     of the gG fuse link for semiconductor protection     usable up to 690 V     of the gG fuse link for semiconductor protection     usable up to 690 V     of the gG fuse link for semiconductor protection     usable up to 690 V     of the gG fuse link for semiconductor protection     usable up to 690 V     of the gG fuse link for semiconductor protection     usable up to 690 V     of the gG fuse link for semiconductor protection     usable up to 69	<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS00</u>			
usable     arrowspace       • of communication module PROFIBUS usable     3RW5980-0CP00       • of communication module Modbus TCP usable     3RW5980-0CP00       • of communication module Ethernet/IP     3RW5980-0CE00       • of circuit breaker usable at 400 V     3VA2440-7MN32-0AA0; Type of coordination 1. lg = 65 kA, CLASS 10       • of circuit breaker usable at 500 V     3VA2440-7MN32-0AA0; Type of coordination 1. lg = 65 kA, CLASS 10       • of circuit breaker usable at 500 V     3VA2580-6HN32-0AA0; Type of coordination 1. lg = 65 kA, CLASS 10       • of circuit breaker usable at 500 V at inside-delta circuit     3VA2580-6HN32-0AA0; Type of coordination 1. lg = 65 kA, CLASS 10       • of the gG fuse usable up to 690 V     2x3NA3365-6; Type of coordination 1. lg = 65 kA       • of the gG fuse usable at inside-delta circuit up to 500 V     2x3NA3365-6; Type of coordination 1. lg = 65 kA       • of back-up R fuse link for semiconductor protection usable up to 690 V     2x3NA3365-6; Type of coordination 2. lg = 65 kA       • of back-up R fuse link for semiconductor protection usable up to 690 V     3NE1334-2; Type of coordination 2. lg = 65 kA       • of back-up R fuse link for semiconductor protection usable up to 690 V     3NE1336; Type of coordination 2. lg = 65 kA       • of back-up R fuse link for semiconductor protection usable up to 690 V     3NE1334-2; Type of coordination 2. lg = 65 kA       • of back-up R fuse link for semiconductor protection usable up to 690 V     3NE1334-2; Type of coordination 2. lg = 65 kA       • of Usape	<ul> <li>of high feature HMI module usable</li> </ul>				
• of communication module Modbus TCP usable       3RW5980-0CT00         • of communication module Ethernet/IP       3RW5980-0CE00         • of circuit breaker usable at 400 V       3RW5980-0CE00         • of circuit breaker usable at 400 V       3RV4240-7MN32-0AA0: Type of coordination 1. Iq = 65 kA. CLASS 10         • of circuit breaker usable at 400 V at inside-delta circuit       3VA2440-7MN32-0AA0: Type of coordination 1. Iq = 65 kA. CLASS 10         • of circuit breaker usable at 500 V at inside-delta circuit       3VA2580-6HN32-0AA0; Type of coordination 1. Iq = 65 kA. CLASS 10         • of the gG fuse usable at 500 V at inside-delta circuit up to 500 V       2X3NA3365-6; Type of coordination 1. Iq = 65 kA. CLASS 10         • of the gG fuse usable at inside-delta circuit up to 500 V       3NE1334-2; Type of coordination 1. Iq = 65 kA         • of the gG fuse usable at inside-delta circuit up to 500 V       3NE1334-2; Type of coordination 2. Iq = 65 kA         • of the gG fuse usable at inside-delta circuit up to 500 V       3NE1334-2; Type of coordination 2. Iq = 65 kA         • of the gG fuse usable at inside-delta circuit up to 500 V       3NE1334-2; Type of coordination 2. Iq = 65 kA         • of secure P fuse link for semiconductor protection usable up to 690 V       30 100 %         • of back-up R fuse link for semiconductor protection usable up to 690 V       30 100 %         • to full contrical data       30 100 %         startup ramp time of soft starter       0		<u>3RW5980-0CS00</u>			
• of communication module Modbus RTU usable       3RW5980-0CR00         • of communication module Ethernet/IP       3RW5980-0CE00         • of circuit breaker usable at 400 V       3VA2440-7MN32-0AA0: Type of coordination 1. Iq = 65 kA, CLASS 10         • of circuit breaker usable at 400 V at inside-delta circuit       3VA2440-7MN32-0AA0: Type of coordination 1. Iq = 65 kA, CLASS 10         • of circuit breaker usable at 400 V at inside-delta circuit       3VA2580-6HN32-0AA0: Type of coordination 1. Iq = 65 kA, CLASS 10         • of circuit breaker usable at 500 V at inside-delta circuit       3VA2580-6HN32-0AA0: 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 the gG fuse usable at inside-delta circuit up to 500 V       3NE13342-62 rupe of coordination 1. Iq = 65 kA         • of full range R fuse link for semiconductor protection usable up to 690 V       3NE13342-2; Type of coordination 2. Iq = 65 kA         • of back-up R fuse link for semiconductor protection usable up to 690 V       3NE13345. Type of coordination 2. Iq = 65 kA         • of back-up R fuse link for semiconductor protection usable up to 690 V       3NE13345. Type of coordination 2. Iq = 65 kA         • of back-up R fuse link for semiconductor protection usable up to 690 V       3NE13345. Type of coordination 2. Iq = 65 kA         • of back-up R fuse link for semiconductor protection usable up to 690 V       30 100 %         • of back-up R fuse link for semic	<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>			
• of communication module Ethernet/IP3RW5980-0CE00• of circuit breaker usable at 400 V3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10• of circuit breaker usable at 500 V3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10• of circuit breaker usable at 400 V at inside-delta circuit3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10• of circuit breaker usable at 500 V at inside-delta circuit3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10• of the gG fuse usable at 500 V at inside-delta circuit3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10• of the gG fuse usable at inside-delta circuit up to 	<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>			
• of circuit breaker usable at 400 V3VA2440-7MN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10• of circuit breaker usable at 500 V3VA2440-7MN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10• of circuit breaker usable at 400 V at inside-delta circuit3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10• of circuit breaker usable at 500 V at inside-delta circuit3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10• of the gG fuse usable at 500 V at inside-delta circuit3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10• of the gG fuse usable at inside-delta circuit up to 500 V3VA365-6; Type of coordination 1. lq = 65 kA• of the gG fuse usable at inside-delta circuit up to s00 V3NE1334-2; Type of coordination 1. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334: Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• of sutage [%]30 100 %storping voltage [%]30 100 %current limiting value [%] adjustable130 700 %certificate of sutabilityYes• CE marking • UL approvalYes• CSA approvalYesproduct component • is supported HMI-Standard • is supported HMI-High FeatureYes• is supported HMI-High FeatureYes• product feature integrated bypass contact systemYes	<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>			
• of circuit breaker usable at 500 V3VA2440-7MN32-0AA0: Type of coordination 1. lq = 65 kA, CLASS 10• of circuit breaker usable at 400 V at inside-delta circuit3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA, CLASS 10• of circuit breaker usable at 500 V at inside-delta circuit3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA, CLASS 10• of the gG fuse usable up to 690 V2x3NA3365-6; Type of coordination 1. lq = 65 kA• of the gG fuse usable at inside-delta circuit up to 500 V3NE1334-2; Type of coordination 1. lq = 65 kA• of thal range R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2. lq = 65 kA• of tartup ramp time of soft starter • O 20 s0 20 s• current limiting value [%] adjustable30 700 %• CE marking • UL approval • CE marking • UL approval • CSA approvalYes• CSA approval • supported HMI-Standard • is supported HMI-Standard • is supported HMI-Standard • is supported HMI-Standard • is supported HMI-Standard •	<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>			
• of circuit breaker usable at 400 V at inside-delta circuit3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10• of circuit breaker usable at 500 V at inside-delta circuit3VA2580-6HN32-0AA0: Type of coordination 1. lq = 65 kA. CLASS 10• of the gG fuse usable up to 690 V2x3NA3365-6; Type of coordination 1. lq = 65 kA• of the gG fuse usable at inside-delta circuit up to 500 V2x3NA3365-6; Type of coordination 1. lq = 65 kA• of the gG fuse usable at inside-delta circuit up to 500 V3NE1334-2; Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334: Type of coordination 2. lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• cordination 2. lq = 65 kA130 700 %• current limiting value [%] adjustable130 700 %• current limiting value [%] adjustableYes• CE marking • UL approvalYes• CE marking • UL approvalYes• CE marking • UL approvalYes• HMI-High Feature • is supported HMI-Standard • is supported HMI-Standard • is supported HMI-Hi	<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
circuitvesof circuit breaker usable at 500 V at inside-delta circuit3VA2580-6HN32-0AA0; Type of coordination 1, lq = 65 kA, CLASS 10of the gG fuse usable up to 690 V2x3NA3365-6; Type of coordination 1, lq = 65 kAof the gG fuse usable at inside-delta circuit up to 500 V2x3NA3365-6; Type of coordination 1, lq = 65 kAof full range R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kAof back-up R fuse link for semiconductor protection usable up to 690 V3NE1336; Type of coordination 2, lq = 65 kAof back-up R fuse link for semiconductor protection usable up to 690 V3NE1336; Type of coordination 2, lq = 65 kAfeneral technical data3NE1336; Type of coordination 2, lq = 65 kAstarting voltage [%]30 100 %stopping voltage [%]30 100 %current limiting value [%] adjustable130 700 %certificate of suitabilityYeso CE marking UL approvalYeso CA approval UL approvalYesi UL approval i Supported HMI-Standard i s supported HMI-Standard i s supported HMI-High FeatureNoorder HMI-High FeatureYesis supported HMI-High FeatureYe	<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
circuitcircuit• of the gG fuse usable up to 690 V2x3NA3365-6; Type of coordination 1, lq = 65 kA• of the gG fuse usable at inside-delta circuit up to 500 V2x3NA3365-6; Type of coordination 1, lq = 65 kA• of full range R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE13336; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V30 100 %• cordination 2, lq = 65 kA30 100 %• current limiting value [%] adjustable • CE marking • UL approval • Kes130 700 %• CE marking • UL approval • KesYes• of supported HMI-High Feature <br< td=""><th></th><td>3VA2580-6HN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10</td></br<>		3VA2580-6HN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10			
• of the gG fuse usable at inside-delta circuit up to 500 V2x3NA3365-6; Type of coordination 1, lq = 65 kA• of full range R fuse link for semiconductor protection usable up to 690 V3NE1334-2; Type of coordination 2, lq = 65 kA• of back-up R fuse link for semiconductor protection usable up to 690 V3NE3336; Type of coordination 2, lq = 65 kAGeneral technical data3NE3336; Type of coordination 2, lq = 65 kAstarting voltage [%]30 100 %stopping voltage [%]30 100 %storping voltage [%]50 %; non-adjustablecurrent limiting value [%] adjustable130 700 %certificate of suitabilityYes• CE marking • UL approval • CSA approvalYesProduct component • HMI-High FeatureNo• HMI-High Feature • is supported HMI-Standard • is supported HMI-Figh FeatureNo• is supported HMI-High Feature • is supported HMI-High FeatureYes• product feature integrated bypass contact systemYes		3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
500 V     • of full range R fuse link for semiconductor protection usable up to 690 V     3NE1334-2: Type of coordination 2. lg = 65 kA       • of back-up R fuse link for semiconductor protection usable up to 690 V     3NE3336; Type of coordination 2. lg = 65 kA <b>General technical data</b> 30 100 %       starting voltage [%]     30 100 %       stopping voltage [%]     50 %; non-adjustable       current limiting value [%] adjustable     130 700 %       certificate of suitability     Yes       • CE marking     Yes       • UL approval     Yes       • CSA approval     Yes       • HMI-High Feature     No       • is supported HMI-Standard     Yes       • is supported HMI-High Feature     Yes       • is supported HMI-High Feature     Yes       • is supported HMI-High Feature     Yes       • product feature integrated bypass contact system     Yes	<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA			
usable up to 690 V       and the formation of the f	<b>e</b>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA			
usable up to 690 V     Image: Constant of the second		<u>3NE1334-2; Type of coordination 2. Iq = 65 kA</u>			
starting voltage [%]30 100 %stopping voltage [%]50 %; non-adjustablestart-up ramp time of soft starter0 20 scurrent limiting value [%] adjustable130 700 %certificate of suitabilityYes• CE markingYes• UL approvalYes• UL approvalYes• CSA approvalYes• HMI-High FeatureNo• is supported HMI-StandardYes• is supported HMI-High FeatureYes• product feature integrated bypass contact systemYes		<u>3NE3336; Type of coordination 2, lq = 65 kA</u>			
stopping voltage [%]50 %; non-adjustablestart-up ramp time of soft starter0 20 scurrent limiting value [%] adjustable130 700 %certificate of suitabilityYes• CE markingYes• UL approvalYes• CSA approvalYesproduct componentNo• HMI-High FeatureNo• is supported HMI-StandardYes• product feature integrated bypass contact systemYes• YesYes	General technical data				
start-up ramp time of soft starter0 20 scurrent limiting value [%] adjustable130 700 %certificate of suitabilityYes• CE markingYes• UL approvalYes• UL approvalYes• CSA approvalYesproduct componentYes• HMI-High FeatureNo• is supported HMI-StandardYes• is supported HMI-High FeatureYes• product feature integrated bypass contact systemYes	starting voltage [%]	30 100 %			
current limiting value [%] adjustable130 700 %certificate of suitability• CE markingYes• UL approvalYes• CSA approvalYes• CSA approvalYes• HMI-High FeatureNo• is supported HMI-StandardYes• is supported HMI-High FeatureYes• product feature integrated bypass contact systemYes	stopping voltage [%]	50 %; non-adjustable			
certificate of suitabilityYes• CE markingYes• UL approvalYes• CSA approvalYes• CSA approvalYesproduct componentYes• HMI-High FeatureNo• is supported HMI-StandardYes• is supported HMI-High FeatureYes• product feature integrated bypass contact systemYes	start-up ramp time of soft starter	0 20 s			
• CE markingYes• UL approvalYes• CSA approvalYes• CSA approvalYes• HMI-High FeatureNo• is supported HMI-StandardYes• is supported HMI-High FeatureYes• is supported HMI-High FeatureYes• is supported HMI-High FeatureYes• YesYes• is supported HMI-High FeatureYes• is supported HMI-High FeatureYes	current limiting value [%] adjustable	130 700 %			
• UL approvalYes• CSA approvalYesproduct componentYes• HMI-High FeatureNo• is supported HMI-StandardYes• is supported HMI-High FeatureYesproduct feature integrated bypass contact systemYes	certificate of suitability				
• 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	CE marking	Yes			
product component     No       • HMI-High Feature     No       • is supported HMI-Standard     Yes       • is supported HMI-High Feature     Yes       product feature integrated bypass contact system     Yes	UL approval	Yes			
• HMI-High Feature     No       • is supported HMI-Standard     Yes       • is supported HMI-High Feature     Yes       product feature integrated bypass contact system     Yes	CSA approval	Yes			
• is supported HMI-Standard     Yes       • is supported HMI-High Feature     Yes       product feature integrated bypass contact system     Yes	product component				
• is supported HMI-High Feature Yes product feature integrated bypass contact system Yes	HMI-High Feature	No			
product feature integrated bypass contact system Yes	<ul> <li>is supported HMI-Standard</li> </ul>	Yes			
	<ul> <li>is supported HMI-High Feature</li> </ul>	Yes			
	product feature integrated bypass contact system	Yes			
		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	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
<ul> <li>between main and auxiliary circuit</li> </ul>	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
Substance Prohibitance (Date)	02/15/2018
product function	
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
<ul> <li>adjustable current limitation</li> </ul>	Yes
• pump ramp down	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic
	motor overload protection)
<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; By turning off the control supply voltage
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>operating measured value display</li> </ul>	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
( internetionally)	module
<ul> <li>firmware update</li> </ul>	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
torque control	No
analog output	No
Power Electronics	
operational current	
at 40 °C rated value	315 A
at 40 °C rated value     at 50 °C rated value	279 A
at 50 °C rated value     at 60 °C rated value	255 A
	200 A
<ul> <li>operational current at inside-delta circuit</li> <li>at 40 °C rated value</li> </ul>	546 A
at 40 °C rated value     at 50 °C rated value	546 A 483 A
at 50 °C rated value     at 60 °C rated value	483 A 442 A
	772 A
operating voltage <ul> <li>rated value</li> </ul>	200 490 \/
	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
	10 %
relative positive tolerance of the operating voltage at inside-delta circuit	
operating power for 3-phase motors	
· · · · · · · · · · · · · · · · · · ·	

	00 1444
• at 230 V at 40 °C rated value	90 kW
• at 230 V at inside-delta circuit at 40 °C rated value	160 kW
• at 400 V at 40 °C rated value	160 kW
at 400 V at inside-delta circuit at 40 °C rated value	315 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 % 10 %
relative positive tolerance of the operating frequency adjustable motor current	10 76
at rotary coding switch on switch position 1	135 A
<ul> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> </ul>	147 A
<ul> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> </ul>	159 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	171 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	183 A
<ul> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 6</li> </ul>	195 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	207 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	219 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	231 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	243 A
at rotary coding switch on switch position 11	255 A
<ul> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	267 A
<ul> <li>at rotary coding switch on switch position 12</li> <li>at rotary coding switch on switch position 13</li> </ul>	279 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	291 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	303 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	315 A
• minimum	135 A
adjustable motor current	
• for inside-delta circuit at rotary coding switch on switch position 1	234 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	255 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	275 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	296 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	317 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	338 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	359 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	379 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	400 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	421 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	442 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	462 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	483 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	504 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	525 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	546 A
at inside-delta circuit minimum	234 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	107 W
• at 40 °C after startup	107 W
<ul> <li>at 50 °C after startup</li> </ul>	96 W

a at 60 °C after startur	89 W
• at 60 °C after startup     power loss [W] at AC at current limitation 350 %	03 11
<ul> <li>at 40 °C during startup</li> </ul>	5 350 W
• at 50 °C during startup	4 471 W
• at 60 °C during startup	3 934 W
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 %
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	04.14
at DC rated value	24 V 20 %
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	160 mA
holding current in bypass operation rated value	470 mA
locked-rotor current at close of bypass contact maximum	7.6 A
inrush current peak at application of control supply voltage maximum	3.3 A
duration of inrush current peak at application of control supply voltage	12.1 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	0
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	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing 393 mm
height width	210 mm
depth	203 mm
required spacing with side-by-side mounting	
forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
• at the side	5 mm

weight without packaging	9.9 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
<ul> <li>for control circuit</li> </ul>	spring-loaded terminals
width of connection bar maximum	45 mm
wire length for thermistor connection	
<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m
<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul>	150 m
<ul> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul>	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 mm <sup>2</sup> )
type of connectable conductor cross-sections	
for control circuit solid	2x (0.25 1.5 mm²)
<ul> <li>for control circuit finely stranded with core end</li> </ul>	2x (0.25 1.5 mm²)
processing	
<ul> <li>at AWG cables for control circuit solid</li> </ul>	2x (24 16)
<ul> <li>at AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16)
core end processing	
wire length	900 m
between soft starter and motor maximum	800 m
at the digital inputs at AC maximum	100 m
at the digital inputs at DC maximum	1 000 m
tightening torque	44 - 04 N
for main contacts with screw-type terminals	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</li> </ul>	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	
<ul> <li>during operation</li> </ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
<ul> <li>during storage and transport</li> </ul>	-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
<ul> <li>during storage according to IEC 60721</li> </ul>	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)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
<ul> <li>PROFINET standard</li> </ul>	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
<ul> <li>of circuit breaker</li> </ul>	
<ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA
<ul> <li>— usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA
<ul> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; Iq = 18 kA
— usable for High Faults at 460/480 V at inside-	Siemens type: 3VA54, max. 600 A; Iq max = 65 kA

delta circuit according — usable for Standard		Sieme	ns type: 3VA53, max	. 400 A or 3VA54, max.	600 A; Iq = 18 kA	
according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL			Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA			
<ul> <li>of the fuse</li> </ul>						
— usable for Standard Faults up to 575/600 V according to UL		Туре:	Type: Class J / L, max. 1000 A; Iq = 18 kA			
— usable for High Faults up to 575/600 V according to UL		Туре:	Class J / L, max. 100	0 A; lq = 100 kA		
— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL			Class J / L, max. 100			
<ul> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>		Туре:	Class J / L, max. 100	0 A; lq = 100 kA		
operating power [hp] for 3-p						
• at 200/208 V at 50 °C ra		75 hp				
• at 220/230 V at 50 °C ra	ted value	100 hp	)			
• at 460/480 V at 50 °C ra	ted value	200 hp	)			
• at 200/208 V at inside-de value		150 hp				
• at 220/230 V at inside-de value		200 hp				
<ul> <li>at 460/480 V at inside-de value</li> </ul>	eita circuit at 50 °C rated	400 hp	)			
contact rating of auxiliary co	ontacts according to UL	R300-	B300			
Safety related data						
protection class IP on the fro 60529	ont according to IEC	IP00; I	P20 with cover			
touch protection on the from	t according to IEC 60529	finger-	safe, for vertical cont	act from the front with c	over	
electromagnetic compatibilit	ty	in acco	ordance with IEC 609	47-4-2		
Certificates/ approvals						
General Product Approval					EMC	
General Product Approval	Confirma	<u>ition</u>	(III)	EAC	EMC	
General Product Approval	Confirma ccc	<u>ition</u>	UL UL	EAC		
General Product Approval	Confirma ccc Test Certif		UL UL	EAC		
Declaration of Conformity	CCC	icates	Warine / Shipping	EAC UREAU VERITAS	EMC RCM	
Declaration of Conformity	CCC Test Certif	icates	Warine / Shipping	EAC BUREAU VERITAS	EMC RCM	
Declaration of Conformity	Test Certif	icates Certific- Report	Warine / Shipping	<b>EAC</b>	EMC RCM	
Declaration of Conformity	Test Certif JK IA	icates Certific- Report	Warine / Shipping	<b>EAC</b>	EMC RCM	
Declaration of Conformity	Test Certif	icates Certific- Report	Marine / Shipping	EAC         BUREAU         VERITAS	EMC	
Declaration of Conformity	Test Certif	icates Certific- Report	Warine / Shipping	Image: Constraint of the second se	EMC	
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Declaration of Conformity         Conference         Conference         Marine / Shipping         Marine / Shipping         Output         Prs         Conference         Confere         Conference	Test Certif Type Test C ates/Test f other Confirmation Eventer (Catalogs, Brochure ag system)	icates Certific- Report	ABS	EAC         UREAU         UREAU         VERITAS	EMC	
Declaration of Conformity         Conference         Conference         Marine / Shipping         Marine / Shipping         Declaration of Conformity         EG-Konf.         Declaration of Conformity         EG-Konf.         Declaration of Conformity         Declaration of Conformity         EG-Konf.         Declaration         Marine / Shipping         Declaration - and Downloadoc         https://www.siemens.com/ic10         Information - and Downloadoc         https://wall (Online ordering         https://mall.industry.siemens.com/ic10         Industry Mall (Online ordering         https://mall.industry.siemens.com/ic10         Industry Mall (Online ordering         https://mall.industry.siemens.com/ic10         Industry Mall (Online ordering         https://mall.industry.siemens.com/ic10         Notes:         Declaration         Declara	Image: ccc       Test Certif         Image: ccc       Type Test ( ates/Test f         Image: ccc       Type Test ( ates/Test f         Image: ccc       other         Image: ccc       other         Image: ccc       ccnfirmation         Image: ccc       ccnfirmation         Image: ccc       ccnfirmation         Image: ccc       ccnfirmation         Image: ccc       ccc         Image: ccc       cccc         Image:	icates Certific- Report ation s,) uct?mlfb=3	ABS	<b>EAC</b>	EMC	
Declaration of Conformity         Conference         Conference         Barine / Shipping         Marine / Shipping         Declaration - and Downloadce         https://www.siemens.com/ic100         Information - and Downloadce         https://www.siemens.com/ic100         Industry Mall (Online ordering         https://mall.industry.siemens.com/ic100         Industry Mall (Online ordering	Image: constraint of the second se	icates Certific- Report tion s,) uct?mlfb=3 ault.aspx?li s, FAQs,	RW5245-2TC04 ang=en&mlfb=3RW52	EAC EEEC	EMC	

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5245-2TC04&lang=en Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5245-2TC04/char Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5245-2TC04&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917

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