## SIEMENS

## Data sheet

## 3RW5072-2TB14



SIRIUS soft starter 200-480 V 210 A, 110-250 V AC Spring-loaded terminals Thermistor input

product brand name	SIRIUS			
product category	Hybrid switching devices			
product designation	Soft starter			
product type designation	3RW50			
manufacturer's article number				
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS01</u>			
<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 PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>			
of communication module Modbus TCP usable	<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>	<u>3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA</u>			
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	<u>3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA</u>			
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3354-6; 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>3NE1 230-2; 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>	<u>3NE3 333; Type of coordination 2, Iq = 65 kA</u>			
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1064</u>			
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1064</u>			
General technical data				
starting voltage [%]	30 100 %			
stopping voltage [%]	50 %; non-adjustable			
start-up ramp time of soft starter	0 20 s			
ramp-down time of soft starter	0 20 s			
current limiting value [%] adjustable	130 700 %			
certificate of suitability				
CE marking	Yes			
<ul> <li>UL approval</li> </ul>	Yes			
CSA approval	Yes			
product component				
HMI-High Feature	No			
<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			
number of controlled phases	2			
buffering time in the event of power failure				



• On the Control         Voite 3           Instruction votage rated value         600 V           degree of politon         3, abc. bitC 60847.4-2           impute votage rated value         6 VV           bocking votage of the brytestor maximum         100 res           asvice factor         1           asvice factor         1           asvice factor         5           asservice factor         5           ischart and quality votage for protective separation         -           - between main quality votage for protective separation         -           - between main quality votage for protective separation         -           - between main quality votage for protective separation         -           - between main quality votage for protective separation         -           - between main quality votage for protective separation         -           schartar protonition (EG 1344-2         O           baseliance or unition (EG 1344-2         -           schartar protonition (EG 1344-2         -           schartar protonition (EG 1344-2         -           schartar proton         -           - reduct function         -           - reduct function         -           - reduct function         -	<ul> <li>for main current circuit</li> </ul>	100 ms				
insulation voltage rated value         90.V           degree of pollution         3, doc. to IEC 6097.4.2.           inputs a voltage rest value         6.V           service factor         1           service factor         6.V           maximum permissible voltage for portective separation         6.V           - between main and axialing circuit         60.V           solots restance rated value         6.V           - between main and axialing circuit         60.V           solots restance rated value         6.V           - between main and axialing circuit         60.V           solotsance Prohibitance (Deto)         0.02/2019           Substance Prohibitance (Deto)         0.02/2019           Substance Prohibitance (Deto)         0.02/2019           statistic filts						
degree of pollution         9 acc is BC 90947-4.2           impulse voltage rated value         6 kV           blocking voltage resistance rated value         1           service Factor         1           service Factor         1           using voltage resistance rated value         6 kV           between main ad exalling roted         60 V           service Factor         50 V           uitzation category according to IEC 00047-4.2         AC-580           voltage rated value         600 V           subcock resistance         002/23/2019           Substance Prohibine (Date)         002/23/2019           Substance Prohibine (Date)         002/23/2019           Substance Prohibine (Date)         002/23/2019           Substance Prohibine (Date)         002/23/2019           usation category according to IEC 00047-4.2         AC-580           voltage rated value         002/23/2019           substance Prohibine (Date)         002/23/2019           substance Prohibine (Pace)         002/23/2019						
impuise voltage resid values         0 kV           becknap voltage of the hysistor maximum         1 600 V           sarge voltage resistance rated value         0 kV           maximum permissible voltage for protective separation         0           obteven main and auxileg orout         00 V           abokt resistance         15 g1 f1 ms, from 12 g / 11 ms with potential contact lifting           uitization category according to IEC 60047-4.2         AC-Sia           Substance Prohibitance (Date)         002/20/10           Substance Prohibitance (Date)         022/20/10           Substance Prohibitance (Date)         022/20/10           Substance Area         Lead - 7430-02-1           Lead monode (lead oxide) - 1317-35.8         22 K 3 distance-37.1-6 divent           Velocation face CF - 116.00.2.13.05.01 (Date)         1000-000000000000000000000000000000000						
bickequice field with the service field of the service f						
service fields arge voltage resistance rated value arge voltage resistance rated value between main and aucilagy crout between main and aucilagy between main a						
surge voltage resistance name auxiliary crout         6 kV           between main and auxiliary crout         600 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           uitization category according to EC 60047-4-2         AC-S3a           reference code according to EC 60047-4-2         AC-S3a           SVHG substance (Pothtikance (Data)         002/32010           SVHG substance Pothtikance (Data)         002/32010           status of the substance Pothtikance (Data)         179-84-7           SVHG substance Pothtikance (Data)         178-84           used on fort stop)         Yes           via map do (oft stop)         Yes           via map down (oft stop)         Yes           via more overload protection         Yes           via more overload protection         Yes           via other overload protection <td< td=""><td></td><td colspan="4"></td></td<>						
maxmum permissible voltage for protective separation         org           • between main and auxiliacy circuit         16 g / 11 ms, from 12 g / 11 ms, fr						
• botween main and audilary circuit900 Vshock resistance15 g/11 ms with potential contact liftinguilization category according to IEC 80447-42AC-S3areference code according to IEC 81346-20Substance Prohibitance (Date)02232019SWIC substance nameLead - 7439-92-1Lead - 7439-92-1Lead - 7439-92-1Lead - function - 748-9722.86 (stabotno - 44.196 (stabotno - 41.968-10-5)22.86 (stabotno - 41.968)22.86 (stabotno - 41.968-10-5)product functionYes• ramp-op (std starting)Yes• any pop (stabotno - 41.968)Yes• obtioned protection (std stap)Yes• obtioned protection (std stap)Yes• obtioned protection (std stap)Yes• evaluation of thermistor motor protection (thermistor motor protection motor overoad protection function• evaluation of thermistor motor protectionYes• evaluation functionYes (stabutni special accessories• evaluation function functionYes (stabutni special accessories• evaluation functionYes (stabutni special accessories• evaluation functionYes (stabutni special accessories• evaluation functionYes (stabutni special accessories• e						
shock resistance15 g/ 11 ms, from 12 g/ 11 ms with potential contact liftingutilization category according to IEC 61346-20Substance Prohibitance (Date)0022/2019SUHC substance Prohibitance (Date)0022/2019SUHC substance name2Substance Prohibitance (Date)0022/2019Substance Prohibitance (Date)0022/2019Substance name2Substance name down (soft stop)2Substance name down (soft stop)2Substance name down2Substance name down2Substance name down (soft stop)2Substance name down (soft stop)2 </td <td></td> <td colspan="3">600 V</td>		600 V				
reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Leat - 7439-92-1 Lead monoxie (lead oxide) - 1317-36.8 Substance name Product function rame combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the individual anti- and syn-somers or any combination flexed 694.617 Depretence of the operating of the operating of the optical individual anti- and syn-somers or any combination module - Ves i nonunication function vis applicable mode of the operating of		15 g / 11 ms, from 12 g / 11 ms with potential contact lifting				
Substance Prohibitance (Date)         09/23/2019           SVHC substance name         Lead - 7433-92-1 Lead - 7434-92-7 Lead - 7443-92-7 Lead - 744-92-7 Lead - 744-92-7 Lead - 744-92-7 Lead - 744-92-7 Lead - 7444-92-7 Lead - 74	utilization category according to IEC 60947-4-2	AC-53a				
SVHC substance neme         Leat - 7439-92-1           Support Suppo	reference code according to IEC 81346-2	Q				
Lead monoxide (lead oxide) - 1317-36-8           Lead monoxide (lead oxide) - 1317-36-8           22.8 65 circlaromo 4.4 leapropulated/phone) - 7949-7           15.8 0.4 1.6 16 1.1 (17.71.8 0)           Deconfunction           * remp-up (soft starting)           * remp-up (soft starting)           Yes           * remp-down (soft starting)           Yes           * remp-down (soft starting)           Yes           * unpr nam down           * remp-down (soft starting)           Yes           * unpr nam down           * evaluation of themistor motor protection           Yes           * evaluation of themistor motor protection           * evaluation of themistor motor protection           Yes           * remo logobok           * remo logobok           * vas oxitare condigracible           * remo logobok           * remo logobok           * remo logobok           * vas oxitare condigracible           * remo logobok           * vas oxitare condigracible </td <td>Substance Prohibitance (Date)</td> <td>09/23/2019</td>	Substance Prohibitance (Date)	09/23/2019				
• ramp-up (soft starting)         Yes           • mp-down (soft stop)         Yes           • Soft Torque         Yes           • soft Torque         Yes           • adjustable current limitation         Yes           • intrinsic device protection         Yes           • intrinsic device protection         Yes           • intrinsic device protection         Yes, Full motor protection (thermistor motor protection and electronic motor overload protection)           • evaluation of thermistor motor protection         Yes, Type A PTC or Klixon / Thermoclick           • auto-RESET         Yes           • auto-RESET         Yes           • auto-RESET         Yes           • auto-RESET         Yes           • annual RESET         Yes           • and organize         Yes           • and resoft         Yes	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof Dicyclohexyl phthalate (DCHP) - 84-61-7				
ramp-down (soft stop)Yes• Soft TorqueYes• Soft Torque (soft stop)Yes• adjustable current limitationYes• jump ramp downYes• Intrinsic device protectionYes• Intrinsic device protectionYes• motor overload protectionYes• evaluation of thermistor motor protectionYes• evaluation functionYes• evaluation grapheYes• operating measured value displayYes• operating measured value displayYes• via software configurableYes• via software configurableYes• uring outputNo• via software configurableYes• torque controlNo• order divide210 A• at do 'C rated value106 A• at do 'C rated value106 A• at do 'C rated value10%• at do 'C rated value10%• at do 'C rated value10%• at do 'C rated value55 KW• at do 'C rated value10%• at do 'C rated value50 Hz• at do 'C rated value50 Hz• at	product function					
<ul> <li>Soft Torque</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>pump ramp down</li> <li>Yes</li> <li>intristic device protection</li> <li>Yes</li> <li>motor overfaad protection</li> <li>Yes, Full motor protection (thermistor motor protection and electronic motor overfaad protection</li> <li>evaluation of thermistor motor protection</li> <li>Yes, Type A PTC or Klixon / Thermoclick</li> <li>auto-RESET</li> <li>Yes</li> <li>emote reset</li> <li>communication function</li> <li>Yes; Only in conjunction with special accessories</li> <li>error logbook</li> <li>via software parameterizable</li> <li>No</li> <li>via software parameterizable</li> <li>voltage ramp</li> <li>rege control</li> <li>ves in connection with the PROFINET Standard communication module</li> <li>voltage ramp</li> <li>rege control</li> <li>nanda potention</li> <li>ves (200 A</li> <li>ves (200 A&lt;</li></ul>	<ul> <li>ramp-up (soft starting)</li> </ul>	Yes				
• adjustable current limitationYes• hump ramp downYes• intrinsic device protectionYes• intrinsic device protectionYes, Full motor protection (thermistor motor protection and electronic motor overlaad protection)• evaluation of thermistor motor protectionYes, Type A PTC or Klixon / Thermoclick• evaluation of thermistor motor protectionYes, Type A PTC or Klixon / Thermoclick• evaluation of thermistor motor protectionYes, Type A PTC or Klixon / Thermoclick• evaluation of thermistor motor protectionYes, Type A PTC or Klixon / Thermoclick• evaluation of thermistor motor protectionYes, Type A PTC or Klixon / Thermoclick• evaluation of thermistor motor protectionYes, Type A PTC or Klixon / Thermoclick• evaluation incitionYes• communication functionYes• evaluation divater parametrizableNo• via software parametrizableNo• oldgae rampYes, in connection with the PROFINET Standard communication module• oldgae rampYes• oldgae currentYes• at 60 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value19%• at 60 °C rated value10%• at 60 °C rated value10%• at 60 °C rated value10%• at 60 °C rated value50 ½• at 60 °C rated value50 ½• at 60 °C rated value10%• at 60 °C rated value50 ½• at 60 °C rated value50 ½• at 60 °C rated value50 ½ <t< td=""><td><ul> <li>ramp-down (soft stop)</li> </ul></td><td>Yes</td></t<>	<ul> <li>ramp-down (soft stop)</li> </ul>	Yes				
• pump ramp downYes• initinisic device protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• euron AESETYes• emote resetYes; Dy turning off the control supply voltage• communication functionYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableYes; In connection with the PROFINET Standard communication module• via software configurableYes; in connection with the PROFINET Standard communication module• oldage rampYes; in connection with the PROFINET Standard communication module• oldage rampYes; in connection with the PROFINET Standard communication module• oldage rampYes; in connection with the PROFINET Standard communication module• oldage rampYes; in connection with the PROFINET Standard communication module• oldage rampYes; in connection with the PROFINET Standard communication module• oldage rampYes; in connection with the PROFINET Standard communication module• oldage rampYes; in connection with the PROFINET Standard communication module• oldage rampYes• or rated value210 A• at 40 °C rated value210 A <tr< td=""><td>Soft Torque</td><td colspan="4">Yes</td></tr<>	Soft Torque	Yes				
Initials device protectionYes• motor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• auto-RESETYes• manual RESETYes• remote resetYes; Dytu ing off the control supply voltage• communication functionYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes;• via software configurableYes• otrque controlNo• otrque controlNo• analog outputNo• otrque control100 A• at 60 °C rated value120 A• at 60 °C rated value120 A• at 60 °C rated value15 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated value10 %• at 300 V at 40 °C rated	<ul> <li>adjustable current limitation</li> </ul>	Yes				
minite overfieldYes• molor overfieldYes• evaluation of thermistor motor protectionYes• evaluation of thermistor motor protectionYes• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• operating measured value displayYes• error logbookYes• indivate configurableYes• via software parameterizableNo• via software parameterizableYes• orgue controlYes• orgue controlYes• analog outputNo• analog outputNo• analog outputNo• analog outputNo• analog output10 A• at 40 °C rated value10 A• at 40 °C rated value10 A• at 80 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value10 %• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value10 % <td< td=""><td>• pump ramp down</td><td colspan="4">Yes</td></td<>	• pump ramp down	Yes				
overlaad protection)           • evaluation of thermistor motor protection         Yes; Type A PTC or Klixon / Thermoclick           • auto-RESET         Yes           • manual REST         Yes; By turning off the control supply voltage           • communication function         Yes; Only in conjunction with special accessories           • operating measured value display         Yes; Only in conjunction with special accessories           • via software parameterizable         No           • via software configurable         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • voltage ramp         Yes; in connection with the PROFINET Standard communication module           • torque control         No	<ul> <li>intrinsic device protection</li> </ul>	Yes				
• auto-RESETYes• manual RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes; Only in conjunction with special accessories• operating measured value displayYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; In connection with special accessories• via software configurableYes; Only in conjunction with special accessories• via software configurableYes; In connection with the PROFINET Standard communication module• voltage rampYes; In connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNo• operating outputNo• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value200 480 V• relative negative tolerance of the operating voltage15 %• relative negative tolerance of the operating voltage10 %• at 230 V at 40 °C rated value55 kW• at 230 V at 40 °C rated value55 kW• at 230 V at 40 °C rated value50 Hz• operating frequency 1 rated value60 Hz• relative negative tolerance of the operating frequency10 %• relative negative tolerance of the operating frequency10 %• at 230 V at 40 °C rated value50 Hz• operating frequency 1 rated value60 Hz• operating frequency 2 rated value60 Hz• operating fr	<ul> <li>motor overload protection</li> </ul>					
• manual RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes; Only in conjunction with special accessories• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• voltage rampYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNo• analog outputNo• ard 0 °C rated value210 A• at 40 °C rated value186 A• at 40 °C rated value200 480 V• at 60 °C rated value200 480 V• relative negative tolerance of the operating voltage15 %• at 200 via 40 °C rated value55 kW• at 200 via 40 °C rated value55 kW• at 200 via 40 °C rated value55 kW• at 200 via 40 °C rated value60 Hz• at 200 via 40 °C rated value60 Hz• at 200 via 40 °C rated value75 %• at 200 via 40 °C rated value10 %• at 200 via 40 °C rated value10 %• at 200 via 40 °C rated value10 kW• at 200 via 40 °C rated value60 Hz• at 200 via 40 °C rated value10 %• at 200 via 40 °C rated value60 Hz• at 200 via 40 °C rated value60 Hz• at 200 via 40	<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick				
• remote resetYes; By turning off the control supply voltage• communication functionYes• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software parameterizableYes; in connection with the PROFINET Standard communication module• via software porting urableYes; in connection with the PROFINET Standard communication module• voltage rampYes; in connection with the PROFINET Standard communication module• voltage rampYes• otorque controlNo• analog outputNo• analog outputNo• analog outputNo• at 40 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value100 A• at 60 °C rated value200 480 V• rated value200 480 V• rated value10%• at 20 V at 40 °C rated value55 KW• at 20 V at 40 °C rated value50 KW• at 20 V at 40 °C rated value50 KW• at 20 V at 40 °C rated value50 KW• at 20 V at 40 °C rated value50 KW• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value50 Hz• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value60 Hz <td>auto-RESET</td> <td>Yes</td>	auto-RESET	Yes				
• communication functionYes• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNo• analog outputNo• at 40 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value200 480 ∨• relative negative tolerance of the operating voltage-15 %• rated value55 kW• at 200 V at 40 °C rated value55 kW• at 200 V at 40 °C rated value50 HzOperating power for 3-phase motors-• at 200 V at 40 °C rated value50 HzOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %• at 200 ke to efference of the operating frequency-10 %• at 200 value00 %• at 200 value00 %• at 200 value50 Hz• at 200 value00 %• at 200 value00 % </td <td>manual RESET</td> <td colspan="4">Yes</td>	manual RESET	Yes				
• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes; in connection with the PROFINET Standard communication module• voltage rampYes; in connection with the PROFINET Standard communication module• voltage rampYes;• torque controlNo• analog outputNo• analog outputNo• at 40 °C rated value210 A• at 40 °C rated value186 A• at 60 °C rated value170 A• at 60 °C rated value10 %• rated value200 480 V• relative positive tolerance of the operating voltage-15 %• at 230 V at 40 °C rated value10 %• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value50 Hz• at 230 V at 40 °C rated value50 Hz• at 230 V at 40 °C rated value50 Hz• at 230 V at 40 °C rated value50 Hz• at 400 V at 40 °C rated value50 Hz• at 400 V at 40 °C rated value50 Hz• at 230 V at 40 °C rated value50 Hz• at 230 V at 40 °C rated value50 Hz• at 230 V at 40 °C rated value50 Hz• at 400 V at 40 °C rated value50 Hz• at 400 V at 40 °C rated value50 Hz• at 200 V at 40 °C rated value50	remote reset	Yes; By turning off the control supply voltage				
error logbookYes; Only in conjunction with special accessoriesvia software parameterizableNovia software configurableYesvia software configurableYes; in connection with the PROFINET Standard communication modulevoltage rampYes; in connection with the PROFINET Standard communication modulevoltage rampYestorque controlNoanalog outputNovoer Electronics210 Aoperational current186 Aat 40 °C rated value186 Aat 60 °C rated value200 480 Vrated value200 480 Vrated value200 480 Vrelative nogative tolerance of the operating voltage15 %at 230 V at 40 °C rated value10 %operating frequency 1 rated value55 kWat 40 °C rated value60 HzOperating frequency 2 rated value60 Hzoperating frequency 1 rated value10 %	<ul> <li>communication function</li> </ul>					
• via software parameterizableNo• via software configurableYes• PROFinergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNo• over ElectronicsImage: Software Soft						
• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNo• over ElectronicsVes• over Electronics210 A• at 40 °C rated value186 A• at 60 °C rated value170 A• at 60 °C rated value200 480 V• rated value200 480 V• rated value15 %• rated value10 %• operating power for 3-phase motors10 %• at 40 °C rated value55 kW• at 40 °C rated value50 kL• operating frequency 1 rated value50 kL• at 40 °C rated value10 %• at 40 °C rated value10 kW• operating frequency 1 rated value50 kL• at 40 °C rated value50 kL• at 400 °C rated value10 %• at 400 °C rated value10 %	-					
• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNo• over ElectronicsImage: Standard communication module• over Electronics1mage: Standard communication module• over Electronics1mage: Standard communication module• at 40 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value170 A• at 60 °C rated value200 480 V• rated value200 480 V• rated value10 %• operating power for 3-phase motorsImage: Standard communication module• at 230 V at 40 °C rated value55 kW• at 40 °C rated value60 Hz• at 40 °C rated value60 Hz• at 40 °C rated value60 Hz• at 40 °C rated value10 %• at 400 °C rated value60 Hz• at 400 °C rated value10 %• at 400 °C rated value60 Hz• at 400 °C rated value10 %• at 400 °C rated value60 Hz• at 400 °C rated value10 %• at 400 °C rated value10 %						
• voltage rampYes• torque controlNo• analog outputNo• analog outputNo• analog outputNo• analog outputNo• analog outputNo• analog outputNo• analog output210 A• at 40 °C rated value186 A• at 60 °C rated value170 A• at 60 °C rated value200 480 V• rated value200 480 V• relative negative tolerance of the operating voltage-15 %• at 230 V at 40 °C rated value100 %• at 230 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %relative negative tolerance of the operating frequency-10 %						
• torque controlNo• analog outputNoPower ElectronicsNo• at 40 °C rated value210 A• at 40 °C rated value186 A• at 60 °C rated value170 A• at 60 °C rated value200 480 V• rated value200 480 V• relative negative tolerance of the operating voltage-15 %• at 230 V at 40 °C rated value55 kW• at 230 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %						
• analog outputNoPower Electronicsoperational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %• at 230 V at 40 °C rated value10 %operating power for 3-phase motors-• at 230 V at 40 °C rated value55 kW• at 230 V at 40 °C rated value50 HzOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %adjustable motor current10 %						
ower Electronics         operational current         • at 40 °C rated value         • at 50 °C rated value         • at 60 °C rated value         • relative negative tolerance of the operating voltage         • at 230 V at 40 °C rated value         • at 230 V at 40 °C rated value         • at 40 °C rated value         • at 400 V at 40 °C rated value         • 0 Perating frequency 2 rated value						
operational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %operating power for 3-phase motors0• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value50 HzOperating frequency 1 rated value60 Hzrelative negative tolerance of the operating frequency-10 %relative negative tolerance of the operating frequency10 %	<u> </u>					
• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors-• at 230 V at 40 °C rated value55 kW• at 230 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency10 %relative negative tolerance of the operating frequency10 %						
• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors-• at 230 V at 40 °C rated value55 kW• at 230 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %relative negative tolerance of the operating frequency10 %	-	210 A				
• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors-• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value50 HzOperating frequency 1 rated value60 Hzrelative negative tolerance of the operating frequency10 %relative negative tolerance of the operating frequency10 %						
operating voltage• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors-• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value110 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 %						
• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors						
relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors		200 480 V				
relative positive tolerance of the operating voltage       10 %         operating power for 3-phase motors       -         • at 230 V at 40 °C rated value       55 kW         • at 400 V at 40 °C rated value       110 kW         Operating frequency 1 rated value       50 Hz         Operating frequency 2 rated value       60 Hz         relative negative tolerance of the operating frequency       -10 %         adjustable motor current       10 %						
operating power for 3-phase motors       -         • at 230 V at 40 °C rated value       55 kW         • at 400 V at 40 °C rated value       110 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 %						
• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value110 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 %						
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 %       adjustable motor current     -10 %		55 kW				
Operating frequency 2 rated value       60 Hz         relative negative tolerance of the operating frequency       -10 %         relative positive tolerance of the operating frequency       10 %         adjustable motor current       -10 %	• at 400 V at 40 °C rated value	110 kW				
relative negative tolerance of the operating frequency       -10 %         relative positive tolerance of the operating frequency       10 %         adjustable motor current       10 %	Operating frequency 1 rated value	50 Hz				
relative positive tolerance of the operating frequency       10 %         adjustable motor current       10 %	Operating frequency 2 rated value	60 Hz				
adjustable motor current	relative negative tolerance of the operating frequency	-10 %				
	relative positive tolerance of the operating frequency	10 %				
at rotary coding switch on switch position 1     90 A	adjustable motor current					
	<ul> <li>at rotary coding switch on switch position 1</li> </ul>	90 A				

a of rotony opding switch on switch re-stitue 0					
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	98 A				
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	106 A				
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	114 A				
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	122 A				
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	130 A				
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	138 A				
at rotary coding switch on switch position 8	146 A				
at rotary coding switch on switch position 9	154 A				
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	162 A				
<ul> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> </ul>	170 A				
at rotary coding switch on switch position 12	178 A				
at rotary coding switch on switch position 13	186 A				
at rotary coding switch on switch position 14	194 A				
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	202 A				
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	210 A				
• minimum	90 A				
minimum load [%]	15 %; Relative to smallest settable le				
power loss [W] for rated value of the current at AC					
• at 40 °C after startup	16 W				
● at 50 °C after startup	13 W				
● at 60 °C after startup	11 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	2 237 W				
● at 50 °C during startup	1 867 W				
• at 60 °C during startup	1 637 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				
control supply voltage at AC					
• at 50 Hz	110 250 V				
• at 60 Hz	110 250 V				
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %				
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %				
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %				
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %				
control supply voltage frequency	50 60 Hz				
relative negative tolerance of the control supply voltage frequency	-10 %				
relative positive tolerance of the control supply voltage frequency	10 %				
frequency control supply current in standby mode rated value	30 mA				
frequency control supply current in standby mode rated value holding current in bypass operation rated value	30 mA 105 mA				
frequency control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum	30 mA 105 mA 2.2 A				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage maximum	30 mA 105 mA 2.2 A 12.2 A				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage maximum         duration of inrush current peak at application of control supply voltage         voltage	30 mA 105 mA 2.2 A 12.2 A 2.2 ms				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage         maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage maximum         duration of inrush current peak at application of control supply voltage         voltage	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage         maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage         maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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 1 3				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         ont parameterizable	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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 1 3 2				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage         maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         • not parameterizable         digital output version	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage         maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital outputs         number of analog outputs	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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 1 3 2				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage         maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0				
frequency         control supply current in standby mode rated value         holding current in bypass operation rated value         inrush current by closing the bypass contacts maximum         inrush current peak at application of control supply voltage maximum         duration of inrush current peak at application of control supply voltage         design of the overvoltage protection         design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital outputs         number of analog outputs	30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)				

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			
height	230 mm			
width	160 mm			
depth	282 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 Connections/ Terminals	7.3 kg			
type of electrical connection				
for main current circuit	busbar connection			
for control circuit	spring-loaded terminals			
width of connection bar maximum	35 mm; with connection cover 3RT1966-4EA1 maximum length 45 mm			
with or connection bar maximum	ישבאר המאווועוד פווויפטנטה פעיפו סולד וסטטידבאר המאווועוד פוענדיס הוווד			
with conductor cross-section = 0.5 mm <sup>2</sup> maximum	50 m			
with conductor cross-section = 0.5 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 for main				
contacts for box terminal				
<ul> <li>using the front clamping point solid</li> </ul>	95 300 mm²			
<ul> <li>using the front clamping point finely stranded with core end processing</li> </ul>	70 240 mm²			
<ul> <li>using the front clamping point finely stranded without core end processing</li> </ul>	70 240 mm²			
<ul> <li>using the front clamping point stranded</li> </ul>	95 300 mm²			
<ul> <li>using the back clamping point solid</li> </ul>	120 240 mm²			
<ul> <li>r box terminal using the back clamping point</li> </ul>	250 500 kcmil			
using both clamping points solid	min. 2x 70 mm², max. 2x 240 mm²			
using both clamping points finely stranded with core end processing	min. 2x 50 mm², max. 2x 185 mm²			
using both clamping points finely stranded without core end processing	min. 2x 50 mm², max. 2x 185 mm²			
using both clamping points stranded	min. 2x 70 mm², max. 2x 240 mm²			
using the back clamping point finely stranded with core end processing	120 185 mm <sup>2</sup>			
using the back clamping point finely stranded without core end processing     using the back clamping point stranded	120 185 mm² 120 240 mm²			
using the back clamping point stranded type of connectable conductor cross-sections				
for AWG cables for main current circuit solid	2/0 500 kcmil			
for DIN cable lug for main contacts stranded	50 240 mm <sup>2</sup>			
for DIN cable lug for main contacts finely stranded	70 240 mm <sup>2</sup>			
type of connectable conductor cross-sections				
for control circuit solid	2x (0.25 1.5 mm²)			
• for control circuit finely stranded with core end processing	2x (0.25 1.5 mm <sup>2</sup> )			
for AWG cables for control circuit solid	2x (24 16)			
<ul> <li>for AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)			
wire length				
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m			
<ul> <li>at the digital inputs at AC maximum</li> </ul>	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 terminale</li> </ul>	0.8 1.2 N·m			
terminals				
tightening torque [lbf-in] • for main contacts with screw-type terminals	124 210 lbf-in			
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	7 10.3 lbf in			
tor warmany and solution solutions with solow type				

terminals					
Ambient conditions					
installation altitude at height above sea level maximum	5 000 m; derating as of 1000 m, see Manual				
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 ge inside the devices), 1M4				
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
nvironmental footprint					
Siemens Eco Profile (SEP)	Siemens EcoTech				
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				
L/CSA ratings					
manufacturer's article number					
of circuit breaker					
<ul> <li>— usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; lq max = 65 kA				
of the fuse					
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class L, max. 700 A; Iq = 10 kA				
— usable for High Faults up to 575/600 V according to UL	Type: Class L, max. 700 A; lq = 100 kA				
operating power [hp] for 3-phase motors					
• at 200/208 V at 50 °C rated value	60 hp				
• at 220/230 V at 50 °C rated value	60 hp				
• at 460/480 V at 50 °C rated value	150 hp				
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				
NTEX					
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1				
PFHD with high demand rate according to IEC 61508 relating to ATEX	9E-6 1/h				
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.09				
hardware fault tolerance according to IEC 61508 relating to ATEX	0				
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 a				
certificate of suitability					
• ATEX	Yes				
• IECEx	Yes				
• UKEX	Yes				
Approvals Certificates					
General Product Approval					
	Toot Cartificates Marine / Shinning				

EMV

For use in hazardous locations

**Test Certificates** 

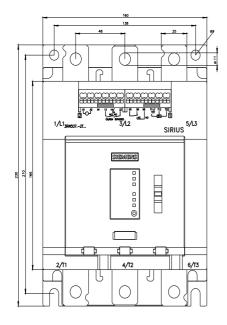
Marine / Shipping

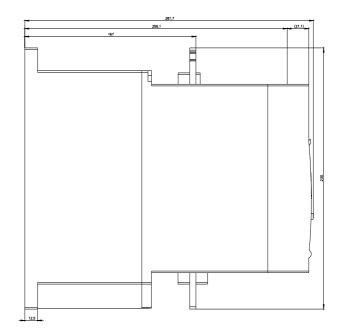
4/21/2024

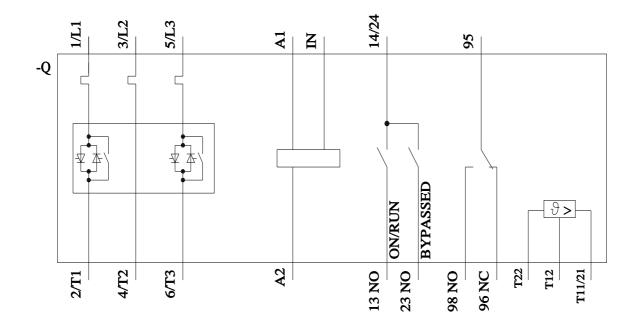
Subject to change without notice © Copyright Siemens

KC	IECEx	KEX ATEX	<u>Miscellaneous</u>	Type Test Certific- ates/Test Report	ABS	
Marine / Shipping		other	Environment			
Hoyd's Register us	PRS	<u>Confirmation</u>	EPD	Siemens EcoTech	Environmental Con- firmations	
Further information         Information on the packaging         https://support.industry.siemens.com/cs/ww/en/view/109813875         Information- and Downloadcenter (Catalogs, Brochures,)         https://www.siemens.com/ic10         Industry Mall (Online ordering system)         https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5072-2TB14         Cax online generator         http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5072-2TB14         Service&Support (Manuals, Certificates, Characteristics, FAQs,)         https://support.industry.siemens.com/cs/ww/en/ps/3RW5072-2TB14         Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)         http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5072-2TB14⟨=en         Characteristic: Tripping characteristics, I*t, Let-through current         http://support.industry.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5072-2TB14⟨=en						
Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5072-2TB14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)						

Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917







last modified:

4/19/2024 🖸