## SIEMENS

## Data sheet

product brand name



SIRIUS soft starter 200-480 V 250 A, 110-250 V AC spring-type terminals Thermistor input

3RW5244-2TC14



h			
product category	Hybrid switching devices		
product designation	Soft starter		
product type designation	3RW52		
manufacturer's article number			
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS00</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>		
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>		
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>		
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>		
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<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 the gG fuse usable at inside-delta circuit up to 500 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>3NE1331-0; 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>3NE3336: Type of coordination 2, Iq = 65 kA</u>		
General technical data			
starting voltage [%]	30 100 %		
stopping voltage [%]	50 %; non-adjustable		
start-up ramp time of soft starter	0 20 s		
current limiting value [%] adjustable	130 700 %		
certificate of suitability			
CE marking	Yes		
UL approval	Yes		
CSA approval	Yes		
product component			
HMI-High Feature	No		
<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	3		
buffering time in the event of power failure			

SIRIUS

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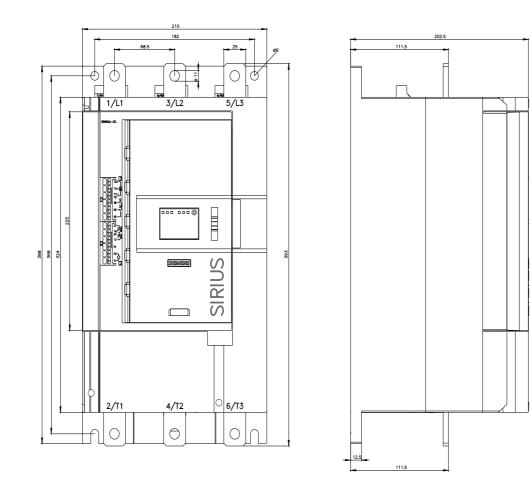
• for control circuit         100 ms           insulation voltage rated value         660 V           Gegree of polation         3, acc, to IEC 6847-4-2           Impulse voltage rated value         6 kV           service factor         1           service factor         1           service factor         1           service factor         1           witter of table of the thytistor maximum         1600 V           maximum permissible voltage for protective separation         •           • lobekeem minima ad auxilago right and         600 V           #booker protective separation         •           • lobekeem minima ad auxilago right and         600 V           #booker protective separation         •           • lobekeem minima ad auxilago right and hytistica separation         •           • advantum permissible voltage for protective separation         •           • advantum permissible voltage for protective separation         •           • advantum permissible voltage for advantum         100 V           • advantum permissible voltage for protective separation         •           • advantum permissible voltage for protective separation         •           • advantum permissible voltage for protective separation         •           • advantum permissible voltage f	for main current circuit	100 ms		
Insulation votinge rated value         800 V           degree of pollution         3, acc to 100 6087 4-22           Impulse votinge rated value         6 kV           Bocking votinge of the thyritor maximum         1000 V           string factor         1           string votinge of the thyritor maximum         6 kV           maximum permissible votinge for protective separation         6 kV           • theterem main and auxiliary circuit         600 V           • distance of robibition class of the 20 C         0           • String voting to tild C 81346 2         0           • distance of robibition class of the 21 V/14 / enclytificiton portal card of the 117-36-8           • failer class of the 21 V/14 / enclytificiton portal card of 100 - 100 - 22 / 52 distance 7 / 16 / 68 / 78 / 100 - 100 - 22 / 52 distance 7 / 16 / 68 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100 - 26 / 00 / 100				
degree of polution         3, acc. to EC 60947-4-2           Impulse vortage and volue         61/V           Service fractor         1           <				
impluse voltage rated value         0 kV           backfity voltage rated value         1 60 V           surge voltage rated value         0 kV           subschitty voltage rated value         0 kV           voltage rated value         0 kV </th <th></th> <th colspan="3"></th>				
bitching voltage of the thyristor maximum         1 500 V           surge voltage relations rated value         6 kV           maximum permissible voltage for protective separation         6 kV           • between main and auxiliary orbit         600 V           show main and auxiliary orbit         700 SSI           show main and auxiliary orbit         7100 SSI           show main and auxiliary orbit         7100 SSI           show main and auxiliary orbit         7100 SSI           show main and auxiliary orbit         710 SSI           show main and auxiliary orbit show main and auxiliary o				
service factor         1           surge voltage resistance radius         6 kV           maximum permissible voltage for protective separation         600 V           • between main and auxiliary circuit         600 V           • detween main and auxiliary circuit         AC 53a           • fervenes code according to IEC 6047-4-2         AC 53a           • detween main and auxiliary circuit         AC 53a           • fervenes code according to IEC 6047-4-2         Q           • data control to IEC 6047-4-2         Q           • data control to IEC 6047-74-2         AC 53a           • data control to IEC 6047         AE 53a				
surge voltage resistance rated value         6.1V           maximum permissible voltage for protective separation         60.0V           • between main and auxiliary orount         600.0V           structure resistance         115 g/ 11 ms, from 12 g / 11 ms with potential contact lifting           uitization category according to IEC 81345-2         Q           Quitzation category according to IEC 81345-2         Q           Structure resistance         Cat/52016           SVHC substance Photomere Place Pho				
maximum permissible voltage for protective separation     600 V       • between main and auxiliary circuit     15 g/11 ms. itom 12 g/11 ms with potential contact lifting       utilization category according to IEC 60947.4-2     AC 553       • Febrenes code according to IEC 60947.4-2     AC 553       • Substance Prohibitance (Date)     02/15/2018       SVHC substance name     22.8.2.4.3.4.3.6.3.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2				
ebeveen main and availary circuit     shock resistance     iditization tackgoys according to IEC 60947.4.2     AC 53a     reference code according to IEC 61947.4.2     G     C     Substance Prohibitance (Date)     C     C     C     C     Substance Prohibitance (Date)     C     C     C     C     C     Substance Prohibitance (Date)     C     C     C     C     C     C     Substance Prohibitance (Date)     C     C     C     C     C     C     Substance Prohibitance (Date)     C     C     C     C     C     C     C     C     Substance Prohibitance (Date)     C     C     C     C     C     C     Substance Prohibitance (Date)     C				
shock resistance         15 g/ 11 ms, from 12 g / 11 ms with potential contact lifting           utilization category according to IEC 60947-4-2         AC 53s           reference code according to IEC 81946-2         Q           Substance Prohibitance (Dato)         02/15/2018           SVHC substance name         2 and 7-7439-22-1           Lead monocide (lead obide) - 1317-30-8         2 and 7-7439-22-1           Lead monocide (lead obide) - 1317-30-8         2 and 7-7439-22-1           Lead monocide (lead obide) - 1317-30-8         2 and 7-839-82-13           Lead monocide (lead obide) - 1317-30-8         2 and 7-839-84-80-82           Versition (12 s 11.6.90)         2 and 7-839-84-80-82           product function         4 and science /		600 V		
diffication calegory according to IEC 81346-2       Q         substance Prohibitance (last)       0215/2018         SVHC substance name       Lead -7439-22-1         Lead -7439-22-1       Lead -7439-22-1         SVHC substance name       Lead -7439-22-1         Substance Prohibitance (last)       2015/2018         SVHC substance name       Lead -7439-22-1         Lead -7439-22-1       Is individual anti-and syn-isomers or any combining on sense or sense	· · · · · · · · · · · · · · · · · · ·			
reference code according to IEC 81346-2         Q           Substance Prohibitance (Date)         02/15/2018           SVHC substance Prohibitance (Date)         02/15/2018           Substance Prohibitance (Date)         02/15/2018           SvHC substance Prohibitance (Date)         02/15/2018           substance Prohibitan free/Prohibitance         02/15/2018				
Substance Prohibitance (Date)     02/15/2018       SVMC substance name     Lead - 7438/82-1       Lead - 7438/82-1     Lead - 7438/82-1       Substance name     2: de Stratomon-4: scorpcylidenedphenol - 78-94-7       1, 57, 58, 14, 15, 16, 17, 17, 18, 18       Dedecathropentarycl(12:2, 11, 6, 02, 13, 05, 10) (datadea:-7, 15-dime C)       ramp-up (edit starling)     Yes       - amp-up (edit starling)     Yes       - adjustable current limitation     Yes       - anaul RESET     Yes<				
SVHC substance name     Lead - 7439-92-1       Lead - 7439-92-1     Lead monotatic (lead code) - 1317-36-3       2-methyl-1-4-methylthiophenyl-2-morpholinopropan-1-one - 71865-10-5     22.76.78.91.415 (61.71.71.16.16-       Deciderationscentuation     The France A-disorce Pillered (Pennol - 79.94.7       1.6.7.8.91.415 (61.71.71.16.16-     Deciderationscentuation       product function     The France A-disorce Pillered (Pennol - 79.94.7       intermation of the mition of the piller (Pennol - 2000)     Piller (Pennol - 2000)       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation of the mition motor protection     Yes       intermation of the mition of the piller (Pennol - 2000)     Yes       intermation function     Yes       intermation				
Lead monoide (read oxido) - 1317-38-8         2/8.6 4/ertatoron-4.4 //soprop/idenciphend - 79-94-7         1.6.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.7.7.8.9.14.15.0 (2, 71.7.17, 8), 8)         7.7.7.7.7.8.9.14.15.0 (2, 71.7.17, 8)         7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.				
• ramp-up (soft starting)     Yes       • ramp-down (soft stop)     Yes       • Soft Torque     Yes       • adjustable current limitation     Yes       • untrinsic device protection     Yes       • intrinsic device protection     Yes       • motor overload protection     Yes       • evaluation of thermistor motor protection     Yes       • intrinsic device protection     Yes       • evaluation of thermistor motor protection     Yes       • inside-detta circuit     Yes       • auto-RESET     Yes       • emotor reset     Yes       • communication function     Yes       • operating measured value display     Yes       • via software configurable     Yes       • via software configurable     Yes       • removeb terminal for control circuit     Yes       • indiver control     Yes       • removeb terminal for control circuit     Yes       • removeb terminal for control circuit     Yes       • removeb terminal for control circuit     Yes       • torque control     analog output       • operation (C rated value     200 A       • at 60 °C rated value     200 A       • at 60 °C rated value     433 A       • at 60 °C rated value     433 A <tre control<="" for="" ovable="" td="" terminal="">     433 A<!--</th--><th></th><th>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 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Dicyclohexyl phthalate (DCHP) - 84-61-7</th></tre>		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 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Dicyclohexyl phthalate (DCHP) - 84-61-7		
• ramp-up (soft starting)       Yes         • ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • untrinsic device protection       Yes         • intrinsic device protection       Yes         • motor overload protection       Yes         • evaluation of thermistor motor protection       Yes         • intrinsic device protection       Yes         • evaluation of thermistor motor protection       Yes         • inside-defta circuit       Yes         • auto-RESET       Yes         • auto-RESET       Yes         • communication function       Yes         • operating measured value display       Yes: Only in conjunction with special accessories         • error logbook       Yes; in connection with the PROFINET Standard communication module         • via software configurable       Yes         • indivare configurable       Yes         • error value       Yes         • diago uptit       Yes         • via software configurable       Yes         • analog output       Yes         • orgentional current       at 40 °C rated value         • at 60 °C rated value       200 A         • at 60 °C rated va	product function			
• ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • pump ramp down       Yes         • intrinsic device protection       Yes         • motor overload protection       Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of thermistor motor protection       Yes; Type A PTC or Kikon / Thermoclick         • inside-delta circuit       Yes         • auto-RESET       Yes; By turning off the control supply voltage         • communication function       Yes; Only in conjunction with special accessories         • error logbook       Yes; Not in consult on with the PROFINET Standard communication module         • firmware update       Yes         • analog output       Yes         • fordivare parameterizable       No         • analog output       Yes         • torque control       No         • analog output       No         • analog output       No         • at 60 °C rated value       250 A         • at 60 °C rated value       200 A         • at 60 °C rated value       331 A         • at 60 °C rated value       346 A         • at 60 °C rated value       346 A         <	-	Yes		
<ul> <li>Soft Torque</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes</li> <li>unotor overlead protection</li> <li>Yes, Type A PTC or Kilkon / Thermoclick</li> <li>inside-delta circuit</li> <li>Yes</li> <li>auto-RESET</li> <li>Yes</li> <li>auto-RESET</li> <li>Yes</li> <li>optimal RESET</li> <li>Yes</li> <li>optimal measured value display</li> <li>Yes</li> <li>optimal measured value display</li> <li>Yes</li> <li>optimal measured value display</li> <li>Yes</li> <li>optimal control circuit</li> <li>Yes</li> <li>Yes</li> <li>removable forminal for control circuit</li> <li>Yes</li> <li>removable forminal for control circuit</li> <li>Yes</li> <li>optimal control circuit<th></th><th colspan="3"></th></li></ul>				
• adjustable current limitation       Yes         • pump ramp down       Yes         • intrinsic device protection       Yes         • motor overload protection       Yes         • waluation of thermistor motor protection       Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)         • valuation of thermistor motor protection       Yes; Type A PTC or Klixon / Thermoclick         • inside-delta circuit       Yes         • auto-RESET       Yes         • emote reset       Yes; By turning off the control supply voltage         • ommunication function       Yes; Only in conjunction with special accessories         • error logbook       Yes; In connection with the PROFINET Standard communication module         • via software configurable       Yes         • RROFInenzy       Yes; in connection with the PROFINET Standard communication module         • firmware update       Yes         • removable ferminal for control circuit       Yes        • torque control       No         • analog output       No         Power Electronics       220 A         • at 40 °C rated value       250 A         • at 60 °C rated value       200 A         • at 60 °C rated value       33 A         • at 60 °C rated value       33 A				
• pump ramp downYes• Intrinsic device protectionYes• motor overload protectionYes: Full motor protection (thermistor motor protection and electronic motor overload protection)• valuation of thermistor motor protectionYes: Type A PTC or Klixon / Thermoclick• inside-delta circuitYes• uture-RESETYes• emote resetYes; By turning off the control supply voltage• communication functionYes• error logbookYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableYes• via software onfigurableYes• inderdeviceYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• operational current220 A• at 60 °C rated value220 A• at 60 °C rated value381 A• at 60 °C rated value200 480 V• at 60 °C rated value <t< th=""><th></th><th>Yes</th></t<>		Yes		
• intrinsic device protection       Yes         • motor overload 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         • inside-delta circuit       Yes         • auto-RESET       Yes         • manual RESET       Yes         • communication function       Yes; By turning off the control supply voltage         • communication function       Yes         • operating measured value display       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software configurable       Yes         • infimware update       Yes         • removable terminal for control circuit       Yes         • firmware update       Yes         • orgue control       No         • analog output       Yes         Power Electronics       220 A         • at 60 °C rated value       200 A         • at 60 °C rated value       33 A         • at 60 °C rated value       33 A         • at 60 °C rated value       33 A         • at 60 °C rated value       340 A         • at 60 °C rated value       340 A         • at	-	Yes		
• motor overload 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         • inside-delta circuit       Yes         • auto-RESET       Yes         • emotie reset       Yes; Day to reliable of the control supply voltage         • communication function       Yes; Only in conjunction with special accessories         • error logbook       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software configurable       Yes; in connection with the PROFINET Standard communication module         • firmware update       Yes         • removable terminal for control circuit       Yes         • orated value       250 A         • at 40 °C rated value       250 A         • at 60 °C rated value       200 A         operating output       Yes         • at 40 °C rated value       381 A         • at 50 °C rated value       381 A         • at 60 °C rated value       381 A </th <th></th> <th>Yes</th>		Yes		
• inside-delta circuit     Yes       • auto-RESET     Yes       • manual RESET     Yes       • remote reset     Yes; By turning off the control supply voltage       • communication function     Yes; Conly in conjunction with special accessories       • error logbook     Yes; Only in conjunction with special accessories       • via software parameterizable     No       • via software configurable     Yes       • removable terminal for control circuit     Yes       • forque control     No       • analog output     No       Power Electronics     250 A       • at 60 °C rated value     250 A       • at 60 °C rated value     200 A       • operating lourent at inside-delta circuit     433 A       • at 60 °C rated value     346 A       • operating voltage     436 A       • operating voltage     466 A       • crated value     200 480 V       • at los iC rated value     200 480 V       • at los iC rated value     200 480 V       • at los ice rated value     200 480 V       • at los ice rated value     200 480 V       • at los ice rated value     200 480 V       • at los ice rated value     200 480 V       • at los ice rated value     200 480 V       • at los ice rated value	-			
• auto-RESETYes• manual RESETYes• remole 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 configurableYes;• in software configurableYes;• prover logtootYes;• removable terminal for control circuitYes• removable terminal for control circuitYes• orque controlNo• analog outputNo• analog outputNo• at 40 °C rated value250 A• at 40 °C rated value200 A• operational current433 A• at 50 °C rated value381 A• at 50 °C rated value381 A• at 60 °C rated value381 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit roted value200 480 V• at inside-delta circuit rote	<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick		
• manual RESETYes• 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 configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsYesoperational current250 A• at 40 °C rated value200 A• at 40 °C rated value200 A• at 40 °C rated value381 A• at 40 °C rated value381 A• at 60 °C rated value346 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside torcuit rated value200 480 V• at inside torcuit rated value200 480 V• at inside torcuit rated value200 480 V	inside-delta circuit	Yes		
• remote reset       Yes; By turning off the control supply voltage         • communication function       Yes         • operating measured value display       Yes; Only in conjunction with special accessories         • error logbook       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software configurable       Yes         • pROFlenergy       Yes; in connection with the PROFINET Standard communication module         • firmware update       Yes         • removable terminal for control circuit       Yes         • torque control       No         • analog output       Yes         Operational current       250 A         • at 40 °C rated value       220 A         • at 60 °C rated value       200 A         • at 60 °C rated value       381 A         • at 60 °C rated value       381 A         • at 60 °C rated value       346 A         operating voltage       436 A         operating voltage       440 N         • at 60 °C rated value       346 A         operating voltage       436 A         operating voltage       440 N         • at 60 °C rated value       346 A         operating voltage       16 %	auto-RESET	Yes		
• communication function     Yes       • operating measured value display     Yes; Only in conjunction with special accessories       • error logbook     Yes; Only in conjunction with special accessories       • via software parameterizable     No       • via software configurable     Yes;       • PROFlenergy     Yes; in connection with the PROFINET Standard communication module       • firmware update     Yes       • removable terminal for control circuit     Yes       • torque control     No       • analog output     Yes <b>Power Electronics</b> 250 A       • at 40 °C rated value     220 A       • at 60 °C rated value     200 A       • operating value     381 A       • at 60 °C rated value     380 V       • at inside-delta circuit rated value     200 480 V       • at inside-delta circuit rated value     200 480 V       • at inside-delta circuit rated value     200 480 V	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• via software configurableYes; in connection with the PROFINET Standard communication module• PROFIenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsYesoperational current250 A• at 40 °C rated value250 A• at 60 °C rated value200 Aoperational current at inside-delta circuit433 A• at 40 °C rated value381 A• at 60 °C rated value346 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value200 480 V<	remote reset	Yes; By turning off the control supply voltage		
• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsVesoperational current250 A• at 40 °C rated value220 A• at 60 °C rated value200 Aoperational current i inside-delta circuit381 A• at 60 °C rated value381 A• at 60 °C rated value364 A• operating voltage	<ul> <li>communication function</li> </ul>	Yes		
via software parameterizableNovia software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNo• oreational currentVes• at 40 °C rated value250 A• at 60 °C rated value200 A• operational current at inside-delta circuit433 A• at 60 °C rated value381 A• at 60 °C rated value381 A• at 60 °C rated value200 480 V• at 60 °C rated value200 480 V• at 60 °C rated value200 480 V• at 60 °C rated value10 %	<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories		
via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsVers• at 40 °C rated value250 A• at 60 °C rated value220 A• at 60 °C rated value200 A• at 60 °C rated value381 A• at 60 °C rated value346 A• operating voltage346 A• rated value200 480 V• at inside-delta circuit rated value15 %• relative positive tolerance of the operating voltage115 %	error logbook	Yes; Only in conjunction with special accessories		
<ul> <li>PROFlenergy</li> <li>Yes; in connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>Yes</li> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> <li>No</li> <li>analog output</li> <li>No</li> <li>Power Electronics</li> <li>operational current         <ul> <li>at 40 °C rated value</li> <li>250 A</li> <li>at 60 °C rated value</li> <li>200 A</li> </ul> </li> <li>operational current at inside-delta circuit</li> <li>at 40 °C rated value</li> <li>381 A</li> <li>at 60 °C rated value</li> <li>381 A</li> <li>at 60 °C rated value</li> <li>346 A</li> <li>operating voltage</li> <li>rated value</li> <li>200 480 V</li> <li>at inside-delta circuit rated value</li> <li>200 480 V</li> </ul>	<ul> <li>via software parameterizable</li> </ul>	No		
firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsNooperational current250 A• at 40 °C rated value250 A• at 50 °C rated value200 A• at 60 °C rated value200 Aoperational current at inside-delta circuit381 A• at 60 °C rated value381 A• at 60 °C rated value200 Aoperating voltage200 480 V• rated value200 480 V• at inside-delta circuit rated value	<ul> <li>via software configurable</li> </ul>	Yes		
• removable terminal for control circuitYes• torque controlNo• analog outputNoPower Elactronics• at 40 °C rated value250 A• at 40 °C rated value220 A• at 60 °C rated value200 A• at 40 °C rated value381 A• at 60 °C rated value346 A• at 60 °C rated value200 480 V• at forier rated value200 480 V• at inside-delta circuit rated value15 %• relative negative tolerance of the operating voltage10 %	PROFlenergy	Yes; in connection with the PROFINET Standard communication module		
• torque controlNo• analog outputNoPower Electronicsoperational current250 A• at 40 °C rated value250 A• at 50 °C rated value220 A• at 60 °C rated value200 Aoperational current at inside-delta circuit433 A• at 60 °C rated value381 A• at 60 °C rated value346 A• rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value15 %• relative positive tolerance of the operating voltage10 %	firmware update	Yes		
• analog outputNoPower Electronicsoperational current250 A• at 40 °C rated value250 A• at 50 °C rated value200 A• at 60 °C rated value200 Aoperational current at inside-delta circuit433 A• at 40 °C rated value381 A• at 60 °C rated value381 A• at 60 °C rated value346 Aoperating voltage	<ul> <li>removable terminal for control circuit</li> </ul>	Yes		
Power Electronics         operational current         • at 40 °C rated value         • at 50 °C rated value         • at 60 °C rated value         • at 40 °C rated value         • at 40 °C rated value         • at 40 °C rated value         • at 50 °C rated value         • at 50 °C rated value         • at 60 °C rated value         • at inside-delta circuit rated value         200 480 V         • at inside-delta circuit rated value         200 480 V         • at inside-delta circuit rated value         10 %	torque control	No		
operational current250 A• at 40 °C rated value250 A• at 50 °C rated value220 A• at 60 °C rated value200 Aoperational current at inside-delta circuit433 A• at 40 °C rated value433 A• at 50 °C rated value381 A• at 60 °C rated value346 Aoperating voltage		No		
• at 40 °C rated value250 A• at 50 °C rated value220 A• at 60 °C rated value200 Aoperational current at inside-delta circuit433 A• at 40 °C rated value433 A• at 50 °C rated value381 A• at 60 °C rated value346 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value10 %	Power Electronics			
• at 50 °C rated value220 A• at 60 °C rated value200 Aoperational current at inside-delta circuit200 A• at 40 °C rated value433 A• at 50 °C rated value381 A• at 60 °C rated value346 Aoperating voltage	operational current			
• at 60 °C rated value200 Aoperational current at inside-delta circuit• at 40 °C rated value433 A• at 50 °C rated value381 A• at 60 °C rated value346 Aoperating voltage• rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 V• relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	• at 40 °C rated value	250 A		
operational current at inside-delta circuit• at 40 °C rated value433 A• at 50 °C rated value381 A• at 60 °C rated value346 Aoperating voltage200 480 V• at inside-delta circuit rated value200 480 V• relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	• at 50 °C rated value	220 A		
• at 40 °C rated value433 A• at 50 °C rated value381 A• at 60 °C rated value346 Aoperating voltage200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	● at 60 °C rated value	200 A		
• at 50 °C rated value381 A• at 60 °C rated value346 Aoperating voltage200 480 V• rated value200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	operational current at inside-delta circuit			
• at 60 °C rated value       346 A         operating voltage       200 480 V         • rated value       200 480 V         • at inside-delta circuit rated value       200 480 V         relative negative tolerance of the operating voltage       -15 %         relative positive tolerance of the operating voltage       10 %	• at 40 °C rated value	433 A		
operating voltage     200 480 V       • rated value     200 480 V       • at inside-delta circuit rated value     200 480 V       relative negative tolerance of the operating voltage     -15 %       relative positive tolerance of the operating voltage     10 %	• at 50 °C rated value	381 A		
• rated value       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 %	• at 60 °C rated value	346 A		
● at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	operating voltage			
relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	rated value	200 480 V		
relative positive tolerance of the operating voltage 10 %	<ul> <li>at inside-delta circuit rated value</li> </ul>	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 -15 %	relative negative tolerance of the operating voltage at	-15 %		

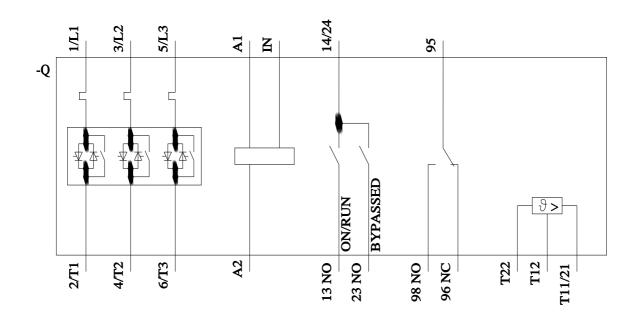
	_
inside-delta circuit	
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	75 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	132 kW
• at 400 V at 40 °C rated value	132 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	250 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	100 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	110 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	120 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	130 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	140 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	150 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	160 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	170 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	180 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	190 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	200 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	210 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	220 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	230 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	240 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	250 A
• minimum	100 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	173 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	191 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	208 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	225 A
for inside-delta circuit at rotary coding switch on switch     position 5	242 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> <li>for inside delta circuit at rates, coding switch on switch</li> </ul>	260 A 277 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	294 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	312 A
<ul><li>position 9</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	329 A
<ul> <li>position 10</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	346 A
<ul> <li>position 11</li> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	364 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	381 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	398 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	416 A
for inside-delta circuit at rotary coding switch on switch     position 16	433 A
at inside-delta circuit minimum	173 A
minimum load [%] power loss [W] for rated value of the current at AC	15 %; Relative to smallest settable le

	07.14		
• at 40 °C after startup	87 W		
• at 50 °C after startup	78 W		
• at 60 °C after startup	72 W		
power loss [W] at AC at current limitation 350 %			
<ul> <li>at 40 °C during startup</li> </ul>	3 818 W		
<ul> <li>at 50 °C during startup</li> </ul>	3 188 W		
<ul> <li>at 60 °C during startup</li> </ul>	2 799 W		
Control circuit/ Control			
type of voltage of the control supply voltage	AC		
control supply voltage at AC			
• at 50 Hz	110 250 V		
• at 60 Hz	110 250 V		
relative negative tolerance of the control supply voltage at	-15 %		
AC at 50 Hz			
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 %		
control supply current in standby mode rated value	30 mA		
holding current in bypass operation rated value	100 mA		
inrush current by closing the bypass contacts maximum	2.2 A		
inrush current peak at application of control supply voltage maximum	12.2 A		
duration of inrush current peak at application of control supply voltage	2.2 ms		
design of the overvoltage protection	Varistor		
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply		
Inputs/ Outputs			
	1		
number of digital inputs	1		
number of digital inputs number of digital outputs	3		
number of digital inputs number of digital outputs • not parameterizable	3 2		
number of digital inputs number of digital outputs • not parameterizable digital output version	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	3 2		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 10 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • downwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 5 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging         Connections/ Terminals	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 5 mm		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 9 m 9.9 kg		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for main current circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 9 m 9.9 kg busbar connection		
number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 9 m 9.9 kg		

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 mm²)		
type of connectable conductor cross-sections			
<ul> <li>for control circuit solid</li> </ul>	2x (0.25 1.5 mm²)		
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)		
<ul> <li>for AWG cables for control circuit solid</li> </ul>	2x (24 16)		
<ul> <li>for AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16)		
core end processing			
wire length			
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m		
at the digital inputs at AC maximum	100 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</li> </ul>	0.8 1.2 N·m		
terminals			
tightening torque [lbf·in]	104 - 010 lbf in		
<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with acrow type</li> </ul>	124 210 lbf in		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf-in		
Ambient conditions			
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog		
ambient temperature			
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above		
during operation     or during storage and transport	-40 +80 °C		
environmental category			
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2		
	(sand must not get into the devices), 3M6		
<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)		
Environmental footprint			
Siemens Eco Profile (SEP)	Siemens EcoTech		
EMC emitted interference	acc. to IEC 60947-4-2: Class A		
Communication/ Protocol			
communication module is supported			
<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 usable for Standard Faults</li> </ul>			
— at 460/480 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA		
- 60/480 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA		
— at 460/480 V at inside-delta circuit according to UL	Siemens type: 3VA54, max. 600 A; Iq = 18 kA		
— 60/480 V at inside-delta circuit according to UL	Siemens type: 3VA54, max. 600 A; Iq max = 65 kA		
— at 575/600 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA		
— at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA54, max. 600 A; Iq = 18 kA		
of the fuse			
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 800 A; Iq = 18 kA		
— usable for High Faults up to 575/600 V according to			
UL	Type: Class J / L, max. 800 A; Iq = 100 kA		
UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA		

operating power [hp] for 3-phase	motors			
• at 200/208 V at 50 °C rated v	alue	60 hp		
• at 220/230 V at 50 °C rated v	alue	75 hp		
• at 460/480 V at 50 °C rated value		150 hp		
• at 200/208 V at inside-delta c	ircuit at 50 °C rated value	125 hp		
• at 220/230 V at inside-delta c	ircuit at 50 °C rated value	150 hp		
• at 460/480 V at inside-delta c		300 hp		
contact rating of auxiliary contact		R300-B300		
Electrical Safety				
protection class IP on the front ad	ccording to IEC 60529	IP00; IP20 with cover		
touch protection on the front acc			ntact from the front with co	ver
opprovals Certificates	g			
General Product Approval				
Confir	EG-Konf.		UK CA	
General Product Approval EMV		Test Certificates	Marine / Shipping	
		<u>Type Test Certific</u> ates/Test Repor		BUREAU VERITAS
Marine / Shipping	other	Environment		
Lloyds Register Uts	Confirmation	on Siemens EcoTech	EPD	Environmental Con- firmations
urther information				
Information on the packaging https://support.industry.siemens.com Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering sys https://mall.industry.siemens.com/m Cax online generator http://support.automation.siemens.com Service&Support (Manuals, Certif https://support.industry.siemens.com Image database (product images, http://www.automation.siemens.com Characteristic: Tripping charactee https://support.industry.siemens.com	r (Catalogs, Brochures,) stem) hall/en/en/Catalog/product?mlft com/WW/CAXorder/default.asp ficates, Characteristics, FAQ n/cs/ww/en/ps/3RW5244-2TC1 , 2D dimension drawings, 3D n/bilddb/cax_de.aspx?mlfb=3R	x?lang=en&mlfb=3RW5244-2 s,) 14 models, device circuit diag W5244-2TC14⟨=en nt		)





4/19/2024 🖸

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