## SIEMENS

## Data sheet

## 3RW5226-1AC14



SIRIUS soft starter 200-480 V 77 A, 110-250 V AC Screw terminals Analog output

product brand name	SIRIUS
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>	<u>3VA2110-7MN32-0AA0;</u> Type of coordination 1, lq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	<u>3VA2110-7MN32-0AA0;</u> Type of coordination 1, Iq = 20 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	<u>3VA2216-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	<u>3VA2216-7MN32-0AA0;</u> Type of coordination 1, Iq = 20 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	<u>3NA3132-6;</u> Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	<u>3NA3132-6;</u> 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>3NE1224-0;</u> Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE8024-1;</u> Type of coordination 2, Iq = 65 kA
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
<ul> <li>CSA approval</li> </ul>	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3 CLACC 404 (default) (405 (205) and to 150 00047 4.2
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	

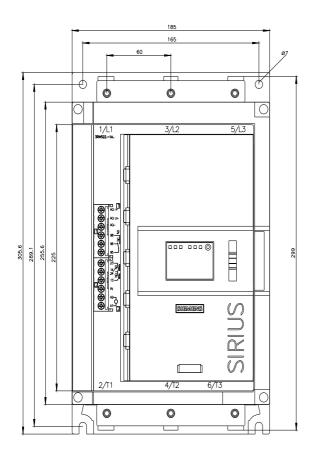
In randic drawfield routed     In reaction drawfield routed     In reaction drawfield routed     Insulation vortage rated value     Gepree of politicition     State of the CG0047-4-2     Impulse voltage related value     Gepree of politicities     State of the CG0047-4-2     Impulse voltage relations rated value     State of the CG0047-4-2     Impulse voltage of the thyriteor maximum     Service factor     aurge voltage relations rated value     State of the CG0047-4-2     Visition relations     Service relations	for marked and the	400
instaliation voltage rated value         600 V           degree of plutbiolon         3. acc. 10.65 6097.4-2.           imputes voltage rated value         6 V/           envice factor         1.400 V           envice factor         6 V/           envice factor         6 V/           envice factor         6 V/           envice factor         6 V/           envice factor         600 V           envice voltage resistance attraviation         600 V           voltage resistance attraviation         5 mm to 6 Hz. 2g to 500 Hz.           uitation antegory executing to EC 8034-2.2         002/152018           protein resistance attraviation         Ves           e displatible current limitation         Ves           e displatible current limitation         Ves           e mono down (soft stop)         Ves           e mono d	• for main current circuit	100 ms
degree of pollution         3, acc. to EC 80947-4-2           biobcking voltage of the thyristor maximum         400 V           service factor         1           aurge voltage creatisance rated value         6 kV           maximum generalisable voltage for safe isolation         600 V           - belween main and auxiliary circuit         500 V           - belween main and auxiliary circuit         500 V           - belween main and auxiliary circuit         15 mm to 6 Hz; 2g to 500 Hz           - dilatabilitary circuit         Yes           - famine-do (edit scincit)         Yes           - andy sabilitary circuit         Yes           - and or overload protection         Yes           - exonation of thermistor mater motor protection         Yes           - indirate device protection         Yes           - andy confident scincit         Yes           - andor overload protection         Yes           - erron topbook         Yes		
Impute voltage rated value         6 kV           blocking voltage of the thrytter maximum         1400 V           service factor         1           urge voltage resistance rated value         6 kV           maximum permissible voltage for safe factorian         600 V           shocker main and auxiliary circuit         600 V           shocker resistance         15 Gr / 11 ms, from 12 g / 11 ms with potential contact liting           vibration resistance         15 Gr / 11 ms, from 12 g / 11 ms with potential contact liting           vibration resistance         16 Gr / 11 ms, from 12 g / 11 ms with potential contact liting           vibration resistance         16 Gr / 12 ms, from 12 g / 11 ms with potential contact liting           vibration resistance         16 Gr / 11 ms, from 12 g / 11 ms with potential contact liting           vibration resistance         16 Gr / 11 ms, from 12 g / 11 ms with potential contact liting           vibration resistance         17 M resistance           vibration resistance         16 Gr / 11 ms, from 12 g / 11 ms, with potential contact liting           vibration resistance         16 Gr / 11 ms, from 12 g / 11 ms, with potential contact liting           vibration resistance         17 K resistance           vibration resistance         17 K resistance           vibration resistance         17 K resistance           visronotale termi		600 V
biokching voltage of the thyristor maximum         1 400 V           service factor         1           aurge voltage resistance rated value         0 kV           maximum generalisable voltage for safe isolation         600 V           - bebween main and auxiliary circuit         600 V           - brain category according to IEC 60947.4-2         C           - formere code according to IEC 60947.4-2         Ves           - and code fact according to IEC 60947.4-2         Ves           - and code fact according to IEC 60947.4-2         Ves	degree of pollution	3, acc. to IEC 60947-4-2
service factor         1           surge voltage resistance ratio value         6 k/V           maximum permissible voltage for safe isolation         6 between main and auxiliary circuit           sbc/stress resistance ratio value         15 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         25 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         26 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         26 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         26 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         26 g / 12 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         26 g / 12 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         26 g / 12 ms, from 12 g / 11 ms, from 12 g / 11 ms with potential contact Iffing           vibration resistance         26 g / 12 ms / 12	impulse voltage rated value	6 kV
subsection         6 kV           maximum permissible voltage for safe isolation         600 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           vibration resistance         15 m to 6 Hz, 2g to 500 Hz           utilization category according to EC 61047-4-2.         0           reference code according to EC 61046-7-4-2.         0           Substance Prohibitance (Date)         D2/t5/2018           product function         7           * ramp-up (soft starting)         Yes           * rand/date current limitation         Yes           * rand/date curent         Yes	blocking voltage of the thyristor maximum	1 400 V
main between main and auxiliary circuit600 Vbetween main and auxiliary circuit600 Vshock resistance15 g / 11 ms, from 72 g / 11 ms with potential contact liftingvibration resistance15 g / 14 ms, from 72 g / 11 ms with potential contact liftingvibration resistance0vibration resistance0vibration resistance0proference code according to IEC 6194-2.40Substance Prohibitance (Eds)02/15/2018proference code according to IEC 6194-2.40substance Prohibitance (Eds)Ves- ram-down (soft staring)Yes- sing down (soft staring)Yes- sing down (soft staring)Yes- unit product functionYes- unit production on overeload protectionNo- unit production on the protectionNo- unit production functionYes- unit production due displayYes; During off the control supply voltage- evaluation of thermistor motor protectionYes- unation functionYes- unation functio	service factor	1
• between main and audilary circuit         600 V           shock resistance         15 pm 10 6 Hz; 2g to 500 Hz           vibration resistance         15 mm 10 6 Hz; 2g to 500 Hz           vibration resistance (Date)         02/15/2018           Substance Prohibitance (Date)         02/15/2018           product function         Ves           • ramp-down (soft stop)         Yes           • adjustable current limitation         Yes	surge voltage resistance rated value	6 kV
• between main and audilary circuit         600 V           shock resistance         15 pm 10 6 Hz; 2g to 500 Hz           vibration resistance         15 mm 10 6 Hz; 2g to 500 Hz           vibration resistance (Date)         02/15/2018           Substance Prohibitance (Date)         02/15/2018           product function         Ves           • ramp-down (soft stop)         Yes           • adjustable current limitation         Yes	maximum permissible voltage for safe isolation	
shock resistance15 g/11 ms, fom 12 g/11 ms with potential contact liftingvibration resistance15 mm to 6 Hz; 2g to 500 Hzutilization category according to EC 60047-4-2AC 63areference code according to EC 60047-4-2AC 63areference code according to EC 60047-4-2AC 63aSubstance Prohibitance (Date)0215/2018protect functionYes- ramp-down (soft stop)Yes- samp-down (soft stop)Yes- samp-down (soft stop)Yes- samp-down (soft stop)Yes- unitiasic device protectionYes- unitiasic device protectionYes- noncor veridad protectionYes- unitiasic device protectionYes- unitiasic	<ul> <li>between main and auxiliary circuit</li> </ul>	600 V
vbrace15 mm to 6 Hz; 2g to 500 Hzvilization resistanceAC 53areference code according to IEC 61346-2QSubstance Prohibitance (Date)D2/15/2018product functionYes• ramp-up (soft starting)Yes• ramp-down (soft stop)Yes• adjustable current limitationYes• adjustable current limitationYes	-	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
utilization category according to IEC 6097-42AC 53areference code according to IEC 609136-2QSubstance Prohibitance (bate)02/15/2018product functionYes• ramp-up (soft starting)Yes• ramp-down (soft stop)Yes• soft forqueYes• adjustable current limitationYes• pump ramp downYes• infinisio device protectionYes• infinisio device protectionYes• evaluation of hermistor motor protectionNo• inside-deth circuitYes• auto-RESETYes• auto-RESETYes• auto-RESETYes• ormotor overload protectionYes• ormotor protectionNo• inside-deth circuitYes• auto-RESETYes• auto-RESETYes• auto-RESETYes• ormot inguableYes• ormot inguableYes• ormot inguableYes• ormot inguableYes• via software parametrizableNo• via software parametrizableNo• analog outputYes• forque cuntoiYes• analog outputYes• analog output <td< td=""><td>vibration resistance</td><td></td></td<>	vibration resistance	
reference code according to IEC 8134-2:         0           Substance Prohibitance (Date)         0215/2018           product function         0215/2018           * ramp-up (soft starting)         Yes           * ramp-down (soft stop)         Yes           * adjutable current limitation         Yes           * initial-celia circuit         Yes           * motor overload protection         No           * evaluation of thermistor motor protection         No           * unable-celia circuit         Yes           * motor overload protection         No           * evaluation of thermistor motor protection         No           * unable-celia circuit         Yes           * motor ophook         Yes           * erron lophook         Yes           * erron vaload communication         m		-
Substance Prohibitance (Date)02/15/2018product functionYes• ramp-up (soft starting)Yes• ramp-down (soft stop)Yes• soft forqueYes• soft forqueYes• adjustable current limitationYes• under stop downYes• infinisio device protectionYes• evaluation of thermistor motor protectionYes• evaluation of thermistor motor protectionYes• evaluation of thermistor motor protectionYes• auto-RSETYes• auto-RSETYes• remove restYes• opmantication functionYes• operating measured value displayYes• operating measured value displayYes• via software parameterizableNo• via software parameterizableYes• via software parameterizableYes• via software parameterizableYes• removeable terminal for control circuitYes• removeable terminal for control circuitYes• removeable terminal for control circuitYes• at 40 °C rated value68 A• at 60 °C rated value68 A• at 60 °C rated value133 A• at 60 °C rated value133 A• at 60 °C rated value10 °C rated value• at 60 °C rated value10 °C• at 60 °C rated value <t< td=""><td></td><td></td></t<>		
product function     Yes       • ramp-up (soft starting)     Yes       • ramp-up (soft starting)     Yes       • soft Torque     Yes       • adjustable current limitation     Yes       • adjustable current limitation     Yes       • adjustable current limitation     Yes       • indiverse parameterizable     Yes       • indiverse parameterizable     Yes       • and RESET     Yes       • and reset     Yes       • and reset     Yes       • communication function     Yes       • communication function     Yes       • and reset     Yes       • and reset     Yes       • and reset     Yes       • communication function     Yes       • and registration     Yes       • analog output     Yes       • firmware update     Yes       • table Crated value     62A       • analog output     Yes       • analog output     Yes       • analog output     Yes       • analog output     Yes       • at 60 °C rated value     62A       • at 60 °C rate	-	
ramp-up (soft starting)Yes• ramp-down (soft stop)Yes• Soft TorqueYes• adjustable current limitationYes• up mp ramp downYes• initinisi device protectionYes• initinisi device protectionYes• initide-delta circuitYes• initide-delta circuitYes• auto-RESETYes• auto-RESETYes• morul RESETYes• morul RESETYes• morul RESETYes• morul RESETYes• opperating measured value displayYes• opperating measured value displayYes• opperating measured value displayYes• via software parameterizableNo• via software parameterizableNo• via software parameterizableNo• via software parameterizableYes• formware updataYes• removebla terminal for control clincuitYes• torque controlYes• torque controlYes• at 40 °C rated value62 A• at 60 °C rated value62 A• at 60 °C rated value133 A• at 60 °C rated value133 A• at 60 °C rated value10 %• at at 60 °C rated value10 %• at 60 °C		
• ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • adjustable current limitation       Yes         • initiaries device protection       No         • initiaries device protection       Yes         • operating measured value display       Yes         • operating measured value display       Yes         • via software parameterizable       No         • via software parameterizable       No         • via software parameterizable       Yes         • torque control       Yes         • torque control       Yes         • analog output       Yes         • analog output       Yes         • at 40 °C rated value       62A         • at 60 °C rated value       62A         • at 6	•	Vec
<ul> <li>Soft Torque</li> <li>Soft Torque</li> <li>Ves</li> <li>adjustable current limitation</li> <li>Yes</li> <li>pump ramp down</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes</li> <li>intrinsice device protection</li> <li>Yes</li> <li>antrinsice device protection</li> <li>Yes</li> <li>Yes</li></ul>		
• adjustable current limitationYes• pump ramp downYes• initrisic device protectionYes• motor overload protectionNo• evaluation of the mistor motor protectionNo• initrisic device protectionNo• inside-delta circuitYes• auto-RESETYes• nanual RESETYes• remote resetYes• operating measured value displayYes; fonly in conjunction with special accessories• error logbookYes; only in conjunction with special accessories• via software parameterizableNo• via software parameterizableYes; nonnection with the PROFINET Standard communication module• firmware updateYes; only in conjunction with pecial accessories• removable terminal for control circuitYes; nonnection with the PROFINET Standard communication module• firmware updateYes• analog outputYes, 4 20 mA (default) / 0 10 V (parameterizable with High Feature Hull)• analog output133 A• at 60 °C rated value68 A• at 60 °C rated value107 A• at 60 °C rated value107 A• at 60 °C rated value200 480 V• at 60 °C rated value107 A• at 60 °C rated value200 480 V• at 60 °C rated value107 A• relative negative tolerance of the operating voltage15 %• relative negative tolerance of the operating voltage15 %• relative negative tolerance of the operating voltage15 %• relative negative tolerance		
• pump ramp down         Yes           • intrinsic device protection         Yes           • intrinsic device protection         Yes           • valuation of thermistor motor protection         No           • indid-deflat circuit         Yes           • auto-RESET         Yes           • emotor erset         Yes           • operating measured value display         Yes           • operating measured value display         Yes           • ornor logbook         Yes           • via software parameterizable         No           • via software configurable         Yes           • via software configurable         Yes           • torgotopic         Yes           • removable terminal for control circuit         Yes           • torgue control         No           • analog output         Yes           • torque control         No           • at 60 °C rated value         68 A           • at 60 °C rated value         68 A           • at 60 °C rated value         133 A           • at 60 °C rated value         133 A           • at 60 °C rated value         10 °K           • at 60 °C rated value         10 °K           • at 60 °C rated value         10 °K		
<ul> <li>Initial device protection</li> <li>Ves</li> <li>motor overload protection</li> <li>Ves</li> <li>motor overload protection</li> <li>No</li> <li>inside-delta circuit</li> <li>Ves</li> <li>auto-RESET</li> <li>Ves</li> <li>auto-RESET</li> <li>Ves</li> <li>auto-RESET</li> <li>Ves</li> <li>ananul RESET</li> <li>Ves</li> <li>operating measured value display</li> <li>Ves; Only in conjunction with special accessories</li> <li>operating measured value display</li> <li>Ves; Only in conjunction with special accessories</li> <li>operating measured value display</li> <li>Ves; Only in conjunction with special accessories</li> <li>via software parameterizable</li> <li>No</li> <li>via software parameterizable</li> <li>Ves; Conly in conjunction with special accessories</li> <li>via software parameterizable</li> <li>Ves; connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>ves; to connection with the PROFINET Standard communication module</li> <li>torque control</li> <li>ves; to control circuit</li></ul>	-	
<ul> <li>endor overlaad protection</li> <li>veraluation of thermistor motor protection</li> <li>veraluation function</li> <li>vera</li></ul>		
• evaluation of thermistor motor protection       No         • inside-detta circuit       Yes         • uto-RESET       Yes         • manual RESET       Yes         • communication function       Yes         • controlphook       Yes         • controlphook       Yes         • configurable       Yes         • via software parameterizable       No         • id software parameterizable       No         • infinition output       Yes         • removable terminal for control circuit       Yes         • removable terminal for control circuit       Yes         • analog output       Yes         • at 60 °C rated value       68 A         • at 60 °C rated value       133 A         • at 60 °C rated value       133 A         • at 60 °C rated value       100 °C         • at 60 °C rated value       100 °C		
<ul> <li>inside-delta circuit</li> <li>ves</li> <li>uto-RESET</li> <li>ves</li> <li>vernota RESET</li> <li>ves</li> <li>vernota RESET</li> <li>ves</li> <li>vernota reset</li> <li>communication function</li> <li>ves</li> <li>operating measured value display</li> <li>ves</li> <li>only in conjunction with special accessories</li> <li>via software parameterizable</li> <li>via software parameterizable</li> <li>via software parameterizable</li> <li>ves</li>     &lt;</ul>		·
auto-RESET Yes     imanual RESET Yes	<ul> <li>evaluation of thermistor motor protection</li> </ul>	No
<ul> <li>manual RESET</li> <li>Yes</li> <li>remote reset</li> <li>Yes, By turning off the control supply voltage</li> <li>communication function</li> <li>Yes, Only in conjunction with special accessories</li> <li>error logbook</li> <li>Yes, Only in conjunction with special accessories</li> <li>Yes, Only in conjunction with the PROFINET Standard communication module</li> <li>PROFIenergy</li> <li>Yes, In connection with the PROFINET Standard communication module</li> <li>Forware Electronics</li> <li>Yes, A 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)</li> <li>Power Electronics</li> <li>Operational current</li> <li>at 40 °C rated value</li> <li>A 40 °</li></ul>	<ul> <li>inside-delta circuit</li> </ul>	Yes
<ul> <li>remote reset</li> <li>communication function</li> <li>communication</li> <li>communicatin</li> <li>communicatin</li> <li>communication</li></ul>	<ul> <li>auto-RESET</li> </ul>	Yes
<ul> <li>communication function</li> <li>yes</li> <li>operating measured value display</li> <li>veror logbook</li> <li>via software parameterizable</li> <li>via software configurable</li> <li>via software configurable</li> <li>PROFIenergy</li> <li>PROFIenergy</li> <li>remain for control circuit</li> <li>remain for control</li> <li>No</li> <li>remain for control</li> <li>remain for contret for circuit</li>     &lt;</ul>	manual RESET	Yes
<ul> <li>operating measured value display</li> <li>verror logbook</li> <li>verror logbook</li> <li>via software parameterizable</li> <li>via software configurable</li> <li>via software configurable</li> <li>verror vable terminal for control circuit</li> <li>termovable terminal for control circuit</li> <li>termovable terminal for control circuit</li> <li>verror vable terminal for control circuit</li> <li>termovable value</li> <li>tat 40 °C rated value</li> <li>tat 60 °C</li></ul>	remote reset	Yes; By turning off the control supply voltage
<ul> <li>error logbook</li> <li>Yes; Only in conjunction with special accessories</li> <li>via software parameterizable</li> <li>No</li> <li>via software configurable</li> <li>Yes</li> <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>Yes</li> <li>torque control</li> <li>analog output</li> <li>Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)</li> <li>Power Electronics</li> </ul> Power Electronics operational current <ul> <li>at 40 °C rated value</li> <li>at 60 °C</li></ul>	<ul> <li>communication function</li> </ul>	Yes
<ul> <li>error logbook</li> <li>Yes; Only in conjunction with special accessories</li> <li>via software parameterizable</li> <li>No</li> <li>via software configurable</li> <li>Yes</li> <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>Yes</li> <li>torque control</li> <li>analog output</li> <li>Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)</li> <li>Power Electronics</li> </ul> Power Electronics operational current <ul> <li>at 40 °C rated value</li> <li>at 60 °C</li></ul>	<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> <li>via software configurable</li> <li>Ves</li> <li>PROFlenergy</li> <li>Yes in connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> <li>Yes : 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)</li> <li>analog output</li> <li>Yes : 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)</li> <li>Power Electronics</li> <li>operational current         <ul> <li>at 40 °C rated value</li> <li>at 60 °C rated value</li> <li>at 80 °C rated value</li> <li>bit 60 °C</li></ul></li></ul>		
• 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; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)       Power Electronics     77 A       • at 40 °C rated value     68 A       • at 60 °C rated value     62 A       • operational current     62 A       • at 60 °C rated value     133 A       • at 60 °C rated value     107 A       • at 60 °C rated value     107 A       • at 60 °C rated value     118 A       • at 60 °C rated value     107 A       • at 60 °C rated value     10 %       • at at 30 c rated value     10 %       • at 30 °C rated value     10 %       • at 30 °C rated value     10 %       • at 30 value     10 °C rated value	-	
• 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, 4 20 mA (default) / 0 10 V (parameterizable with High Feature Hill)         Power Electronics       Feature Hill         • at 40 °C rated value       68 A         • at 50 °C rated value       62 A         • operational current at inside-delta circuit       118 A         • at 60 °C rated value       107 A         • at 60 °C rated value       200 480 V         • at 60 °C rated value       107 A         • at sinside-delta circuit rated value       200 480 V         • at inside-delta circuit rated value       10 %         • relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit       15 %         • at 230 V at 0°C rated value       22 kW         • at 230 V at 0°C rated value       37 kW         • at 200 V at 40 °C rated value       37 kW		Yes
module       • firmware update     Yes       • removable terminal for control circuit     Yes       • torque control     No       • analog output     Yes, 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)       Power Electronics       operational current     68 A       • at 40 °C rated value     68 A       • at 60 °C rated value     62 A       operational current at inside-delta circuit     133 A       • at 60 °C rated value     107 A       operating voltage     107 A       • rated value     200 480 V       • at s0 °C rated value     107 A       operating voltage     -15 %       • rated value     10 %       • at 30 V at 40 °C rated value     200 480 V       • at 30 V at 40 °C rated value     10 %       • at 30 V at 40 °C rated value     10 %       • at 230 V at 40 °C rated value     10 %       • at 230 V at 40 °C rated value     22 kW       • at 230 V at 40 °C rated value     37 kW       • at 230 V at inside-delta circuit at 40 °C rated value     37 kW       • at 230 V at inside-delta circuit at 40 °C rated value     37 kW       • at 230 V at inside-delta circuit at 40 °C rated value     37 kW       • at 400 V 4 at inside-delta circuit at 40 °C rated value     37 kW	-	Yes: in connection with the PROFINET Standard communication
removable terminal for control circuit     torque control     torque control     voe     analog output     Ves     analog output     Ves     u 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)     ves     relative rated value     at 40 °C rated value     at 60 °C rated value     at 73 A     at 60 °C rated value     at 60 °C rated value     at 60 °C rated value     at 75 %     relative negative tolerance of the operating voltage     relative negative tolerance of the operating voltage     relative negative tolerance of the operating voltage     at inside-delta circuit     relative negative tolerance of the operating voltage at     inside-delta circuit     operating voltage     at 130 V at 40 °C rated value     at 400 V at inside-delta circuit at 40 °C rated value     at 400 V at inside-delta circuit at 40 °C rated value     at 400 V at inside-delta circuit at 40 °C rated value     at 400 V at inside-delta circuit at 40 °C rated value     at 400 V at inside-delta circuit at 40 °C rated value     at 400 V at inside-delta circuit at 40 °C rated value     at 400 V at inside-delta circuit at 40 °C rated value     at 40		·
<ul> <li>torque control         <ul> <li>analog output</li> <li>Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)</li> </ul> </li> <li>Power Electronics         <ul> <li>operational current                 <ul> <li>at 40 °C rated value</li> <li>77 A</li> <li>at 50 °C rated value</li> <li>68 A</li> <li>at 60 °C rated value</li> <li>68 A</li> <li>at 60 °C rated value</li> <li>at 80 V</li> <li>at 80 V</li></ul></li></ul></li></ul>	<ul> <li>firmware update</li> </ul>	Yes
• analog output       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)         Power Electronics         operational current         • at 40 °C rated value       68 A         • at 50 °C rated value       62 A         operational current at inside-delta circuit       62 A         • at 60 °C rated value       133 A         • at 60 °C rated value       118 A         • at 60 °C rated value       107 A         operating voltage       107 A         • rated value       200 480 V         • at inside-delta circuit rated value       105 %         relative negative tolerance of the operating voltage       10 %         relative negative tolerance of the operating voltage       10 %         relative negative tolerance of the operating voltage at inside-delta circuit       10 %         relative negative tolerance of the operating voltage at inside-delta circuit       10 %         relative negative tolerance of the operating voltage at inside-delta circuit       10 %         e at 230 V at 40 °C rated value       22 kW         • at 230 V at 40 °C rated value       37 kW         • at 400 V at 40 °C rated value       37 kW         • at 400 V at inside-delta circuit at 40 °C rated value       37 kW	<ul> <li>removable terminal for control circuit</li> </ul>	Yes
HMI         Power Electronics         operational current       at 40 °C rated value       77 A         • at 60 °C rated value       68 A         • at 60 °C rated value       62 A         operational current at inside-delta circuit       62 A         • at 60 °C rated value       133 A         • at 60 °C rated value       118 A         • at 60 °C rated value       107 A         operating voltage       200 480 V         • rated value       200 480 V         • at inside-delta circuit rated value       200 480 V         • at inside-delta circuit rated value       10 %         relative negative tolerance of the operating voltage       -15 %         relative negative tolerance of the operating voltage       10 %         relative positive tolerance of the operating voltage at inside-delta circuit       10 %         relative positive tolerance of the operating voltage at inside-delta circuit       10 %         relative positive tolerance of the operating voltage at inside-delta circuit at 40 °C rated value       22 kW         • at 230 V at 40 °C rated value       37 kW         • at 400 V at 40 °C rated value       37 kW         • at 400 V at inside-delta circuit at 40 °C rated value       75 kW	torque control	No
HMI         Power Electronics         operational current       at 40 °C rated value       77 A         • at 60 °C rated value       68 A         • at 60 °C rated value       62 A         operational current at inside-delta circuit       62 A         • at 60 °C rated value       133 A         • at 60 °C rated value       118 A         • at 60 °C rated value       107 A         operating voltage       200 480 V         • rated value       200 480 V         • at inside-delta circuit rated value       200 480 V         • at inside-delta circuit rated value       10 %         relative negative tolerance of the operating voltage       -15 %         relative negative tolerance of the operating voltage       10 %         relative positive tolerance of the operating voltage at inside-delta circuit       10 %         relative positive tolerance of the operating voltage at inside-delta circuit       10 %         relative positive tolerance of the operating voltage at inside-delta circuit at 40 °C rated value       22 kW         • at 230 V at 40 °C rated value       37 kW         • at 400 V at 40 °C rated value       37 kW         • at 400 V at inside-delta circuit at 40 °C rated value       75 kW	<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature
operational current77 A• at 40 °C rated value68 A• at 50 °C rated value62 Aoperational current at inside-delta circuit62 A• at 40 °C rated value133 A• at 60 °C rated value118 A• at 60 °C rated value107 Aoperating voltage00 480 V• rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value10%relative negative tolerance of the operating voltage15%relative positive tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit10 %at 230 V at 40 °C rated value22 kW• at 230 V at 40 °C rated value37 kW• at 400 V at 40 °C rated value37 kW• at 400 V at 40 °C rated value37 kW• at 400 V at inside-delta circuit at 40 °C rated value37 kW	<b>-</b> .	HMI)
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• at 50 °C rated value68 A• at 60 °C rated value62 A• operational current at inside-delta circuit133 A• at 40 °C rated value133 A• at 60 °C rated value118 A• at 60 °C rated value00 480 V• at ed value200 480 V• rated value200 480 V• at inside-delta circuit rated value15 %relative negative tolerance of the operating voltage10 %relative positive tolerance of the operating voltage at inside-delta circuit10 %relative negative tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit22 kWat 230 V at 40 °C rated value22 kW• at 230 V at 40 °C rated value37 kW• at 400 V at 40 °C rated value37 kW• at 400 V at 40 °C rated value37 kW	operational current	
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• at 60 °C rated value62 Aoperational current at inside-delta circuit133 A• at 40 °C rated value133 A• at 50 °C rated value118 A• at 60 °C rated value107 Aoperating voltage200 480 V• 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 voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %operating power for 3-phase motors-15 %• at 230 V at 40 °C rated value37 kW• at 400 V at 0 °C rated value37 kW• at 400 V at 0 °C rated value75 kW	• at 50 °C rated value	68 A
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• at 50 °C rated value118 A• at 60 °C rated value107 Aoperating voltage200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage10 %relative negative tolerance of the operating voltage at-15 %relative negative tolerance of the operating voltage at10 %relative positive tolerance of the operating voltage at10 %sinside-delta circuit22 kWoperating power for 3-phase motors22 kW• at 230 V at 40 °C rated value37 kW• at 400 V at 40 °C rated value37 kW• at 400 V at inside-delta circuit at 40 °C rated value37 kW• at 400 V at inside-delta circuit at 40 °C rated value75 kW	•	133 A
• at 60 °C rated value107 Aoperating voltage200 480 V• rated value200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage at inside-delta circuit100 %relative positive tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit22 kW• at 230 V at 40 °C rated value22 kW• at 230 V at 40 °C rated value37 kW• at 400 V at inside-delta circuit at 40 °C rated value37 kW• at 400 V at inside-delta circuit at 40 °C rated value75 kW		
operating voltage200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %relative positive tolerance of the operating voltage at inside-delta circuit-15 %relative positive tolerance of the operating voltage at inside-delta circuit-15 %relative positive tolerance of the operating voltage at inside-delta circuit10 %operating power for 3-phase motors22 kW• at 230 V at 40 °C rated value22 kW• at 230 V at 40 °C rated value37 kW• at 400 V at 40 °C rated value37 kW• at 400 V at at 0 °C rated value75 kW		
<ul> <li>rated value</li> <li>at inside-delta circuit rated value</li> <li>at inside-delta circuit rated value</li> <li>200 480 V</li> <li>200 480 V</li> <li>relative negative tolerance of the operating voltage</li> <li>relative negative tolerance of the operating voltage</li> <li>relative negative tolerance of the operating voltage at inside-delta circuit</li> <li>relative positive tolerance of the operating voltage at inside-delta circuit</li> <li>operating power for 3-phase motors</li> <li>at 230 V at 40 °C rated value</li> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> <li>at 400 V at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>To W</li> </ul>		
<ul> <li>at inside-delta circuit rated value</li> <li>at inside-delta circuit rated value</li> <li>celative negative tolerance of the operating voltage</li> <li>relative negative tolerance of the operating voltage</li> <li>relative negative tolerance of the operating voltage at inside-delta circuit</li> <li>relative positive tolerance of the operating voltage at inside-delta circuit</li> <li>operating power for 3-phase motors</li> <li>at 230 V at 40 °C rated value</li> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> <li>at 400 V at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>Telative at 400 V at inside-delta circuit at 40 °C rated value</li> <li>Telative at 400 V at inside-delta circuit at 40 °C rated value</li> <li>Telative at 400 V at inside-delta circuit at 40 °C rated value</li> <li>Telative at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>		200 400 \/
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operating power for 3-phase motors22 kW• at 230 V at 40 °C rated value22 kW• at 230 V at inside-delta circuit at 40 °C rated value37 kW• at 400 V at 40 °C rated value37 kW• at 400 V at inside-delta circuit at 40 °C rated value75 kW		10 %
<ul> <li>at 230 V at 40 °C rated value</li> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> <li>at 400 V at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>75 kW</li> </ul>		
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> <li>at 400 V at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>37 kW</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>75 kW</li> </ul>		20.111
<ul> <li>at 400 V at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>75 kW</li> </ul>		
• at 400 V at inside-delta circuit at 40 °C rated value 75 kW		
Operating frequency 1 rated value 50 Hz		
	Operating frequency 1 rated value	50 Hz

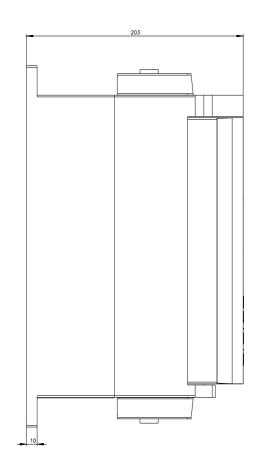
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency adjustable motor current	10 %
at rotary coding switch on switch position 1	32 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	35 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	38 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	41 A
• at rotary coding switch on switch position 5	44 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	47 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	50 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	53 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	56 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	59 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	62 A
at rotary coding switch on switch position 12	65 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	68 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	71 A
at rotary coding switch on switch position 15	74 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	77 A
• minimum	32 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	55.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	60.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	65.8 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	71 A
• for inside-delta circuit at rotary coding switch on switch position 5	76.2 A
• for inside-delta circuit at rotary coding switch on switch position 6	81.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	86.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	91.8 A 97 A
<ul> <li>for inside-delta circuit at rotary coding switch on</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	102 A
<ul> <li>switch position 10</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	107 A
<ul> <li>switch position 11</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	113 A
switch position 12 • for inside-delta circuit at rotary coding switch on	118 A
switch position 13 <ul> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	123 A
<ul><li>switch position 14</li><li>for inside-delta circuit at rotary coding switch on</li></ul>	128 A
<ul><li>switch position 15</li><li>for inside-delta circuit at rotary coding switch on</li></ul>	133 A
switch position 16	
at inside-delta circuit minimum	55.4 A
minimum load [%]	15 %; Relative to smallest settable le
<ul> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> </ul>	35 W
• at 40 °C after startup	35 W 32 W
• at 60 °C after startup	32 W 31 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	1 107 W
• at 50 °C during startup	933 W
• at 60 °C during startup	826 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	

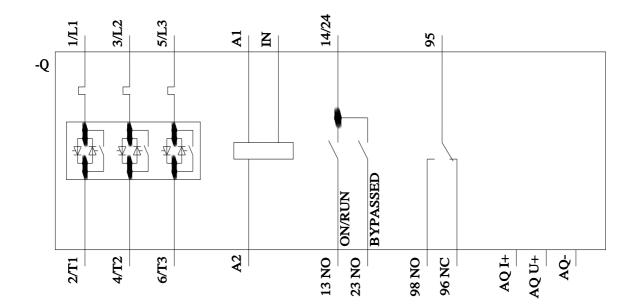
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance 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 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	75 mA
inrush current by closing the bypass contacts maximum	2.5 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	
number of digital inputs	1
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
	3 A
at AC-15 at 250 V rated value	
• at DC-13 at 24 V rated value	1 A
	1 A
• at DC-13 at 24 V rated value	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm
<ul> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm
<ul> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> </ul> </li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> <li>weight without packaging</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> <li>weight without packaging</li> <li>Connections/ Terminals</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5.6 kg box terminal
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection <ul> <li>for main current circuit</li> </ul> </li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5.6 kg
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connection bar maximum</li> </ul> </li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5.6 kg box terminal screw-type terminals
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection <ul> <li>for control circuit</li> <li>for connection bar maximum</li> <li>type of connectable conductor cross-sections</li> </ul> </li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5.6 kg box terminal screw-type terminals 25 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connection bar maximum</li> </ul> </li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5.6 kg box terminal screw-type terminals
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> <li>weight without packaging</li> <li>Connections/ Terminals</li> <li>type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connectable conductor cross-sections</li> <li>for main contacts for box terminal using the front clamping point finely stranded with core end</li> </ul> </li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5.6 kg box terminal screw-type terminals 25 mm
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>weight without packaging</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connectable conductor cross-sections</li> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> <li>for main contacts for box terminal using the front</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 75 mm 5 mm 5.6 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm²)
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>weight without packaging</li> <li>Connections/ Terminals</li> <li>type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> </ul> </li> <li>width of connectable conductor cross-sections</li> <li>for main contacts for box terminal using the front clamping point solid</li> <li>for main contacts for box terminal using the front clamping point stranded with core end processing</li> <li>for main contacts for box terminal using the front clamping point stranded</li> <li>at AWG cables for main contacts for box terminal</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 75 mm 5 mm 5.6 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm <sup>2</sup> ) 1x (2.5 50 mm <sup>2</sup> )
<ul> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>weight without packaging</li> <li>Connections/ Terminals</li> <li>type of electrical connection <ul> <li>for main current circuit</li> <li>for connectable conductor cross-sections</li> </ul> </li> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 0 mm 10 mm 0 mm 5 mm 5.6 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm²) 1x (2.5 50 mm²) 1x (10 70 mm²)

• at AWG cables for main contacts for box terminal using both camping points solid       1x (1020)         • for main contacts for box terminal using both camping points standed with core end processing       2x (2.518 mm²)         • for main contacts for box terminal using both camping point finds standed with core end processing       2x (2.518 mm²)         • for main contacts for box terminal using both camping point finds standed with core end processing       1x (1070 mm²)         • for main contacts for box terminal using the back camping point standed with core end processing       1x (0.525 mm²)         • for auxiliary and control contacts with core with serve-type terminals       1x (0.525 mm²)         • for auxiliary and control contacts with serve-type terminals       4.56 Nm         • for auxiliary and control contacts with serve-type terminals       4.56 Nm         • for auxiliary and control contacts with serve-type terminals       4.053 lofin         • for auxiliary and control contacts with serve-type terminals       5.000 m, berading as of 1000 m, see catalog         • for auxiliary and control contacts with serve-type terminals       5.000 m, berading as of 1000 m, see catalog         • for auxiliary and control contacts with serve-type terminals       5.000 m, berading as of 1000 m, see catalog         • for auxiliary and control contacts with serve-type terminals       5.000 m, berading as of 1000 m, see catalog         • during storage according to IEC 60721       5.000 m, berad		
		1x (10 2/0)
<ul> <li>• for main contacts for box terminal using both categories problems freely stranded with core end processing</li> <li>• for main contacts for box terminal using the back corrections</li> <li>• for main contacts for box terminal using the back corrections</li> <li>• for main contacts for box terminal using the back corrections</li> <li>• for main contacts for box terminal using the back corrections</li> <li>• for main contacts for box terminal using the back corrections</li> <li>• for control circuit field with core end processing</li> <li>• at AWG cables for control circuit acid</li> <li>• at advise and control circuit acid</li> <li>• at advise and control circuit acid</li> <li>• at advise and control circuit acid</li> <li>• for main contacts with screw-type terminals</li> <li>• for main contracts with screw-type terminals</li> <li>• during storage at correling to IEC 60721</li> <li>• during storage according to IEC 60</li></ul>	<ul> <li>for main contacts for box terminal using both</li> </ul>	2x (2.5 16 mm²)
<ul> <li>for main contacts for box terminal using both champing points stranded</li> <li>for main contacts for box terminal using the back champing point stranded</li> <li>for main contacts for box terminal using the back champing point stranded</li> <li>for main contacts for box terminal using the back champing point stranded</li> <li>for control circuit field with core end processing</li> <li>if or control circuit sold</li> <li>if (0.540 mm<sup>2</sup>), 2x (1070 mm<sup>2</sup>)</li> <li>if (0.540 mm<sup>2</sup>), 2x (0.525 mm<sup>2</sup>)</li> <li>if (0.540 mm<sup>2</sup>), 2x (2014)</li> <li>if (0.6120 mm<sup>2</sup>), 2x (20140 m<sup>2</sup>),</li></ul>	<ul> <li>for main contacts for box terminal using both clamping points finely stranded with core end</li> </ul>	2x (2.5 35 mm²)
• (or main contacts for box terminal using the back damping point finely stranded with core end processing • for control circuit finely stranded with core end processing • of white cables for control circuit solid • the digital inputs at AC maximum • during operation • during storage according to IEC 60721 • Modobus RTU • usable for bin, and Faults at 460480 V • usable for bin, and Faults at 460480 V • usable for bin, and Faults at 460480 V • according to UL • usable for bin, and Faults at 460480 V at make- toUL • usable for bin, and Faults at 460480 V at make- toUL • usable for bin, and Faults at 460480 V at make- toUL • usable for bin, and Faults at 460480 V at make- toUL • usable for bin, and Faults at 460480 V at make- toUL • usab	<ul> <li>for main contacts for box terminal using both</li> </ul>	2x (6 16 mm²), 2x (10 50 mm²)
	<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end</li> </ul>	1x (2.5 50 mm²)
	<ul> <li>for main contacts for box terminal using the back clamping point stranded</li> </ul>	1x (10 70 mm²)
ext AVK Cables for control circuit solid     1x (20 12), 2x (20 14)       wire length     900 m       ext the digital inputs at AC maximum     900 m       ext the digital inputs at AC maximum     900 m       ext the digital inputs at AC maximum     900 m       ext the digital inputs at AC maximum     900 m       ext the digital inputs at AC maximum     900 m       ext the digital inputs at AC maximum     900 m       ext the digital inputs at AC maximum     900 m       ext the digital inputs at AC maximum     900 m       ext and contract with screw-type terminals     45 6 N m       ext and contract with screw-type terminals     40 53 lbfin       ext and contract with screw-type terminals     7 10.3 lbFin       installation altude at height above sea level maximum     5 000 m: Derating as of 1000 m, see catalog       ambient themperature     -0 +80 °C       euring operation     -25 +80 °C       euring operation according to IEC 60721     -40 +80 °C       euring transport every event according to IEC 60721     -40 +80 °C       euring transport every event according to IEC 60721     2K2 201, 2S1, 2M2 (max, fail height 0.3 m) acc to IEC 60947-42: Class A       Communication module is supported		1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
wire length     Number of starter and motor maximum     BOD m       • ethwes noft starter and motor maximum     800 m     100 m       • of main contacts with screw-type terminals     4.56 N·m     0.812 N·m       • for auxiliary and control contacts with screw-type terminals     4053 lbf in     -       • of main contacts with screw-type terminals     4053 lbf in     -       • of main contacts with screw-type terminals     4053 lbf in     -       • of main contacts with screw-type terminals     5 000 m; Derating as of 1000 m, see catalog       missiliation altitude at height above sea level maximum     5 000 m; Derating as of 1000 m, see catalog       • during storage and transport     -40 +60 °C; Please observe derating at temperatures of 40 °C or above       • during storage and transport     -40 +60 °C; Please observe derating at temperatures of 40 °C or above       • during storage according to IEC 60721     3K6 (no ice formation, only occasional condensation), 3C3 (no satt mist), 352 (sand must not get inside the devices), 3M6       • during transport according to IEC 60721     2K2 2C1, 2E1, 2L2, 2L2 (max, fall height 0.3 m) acc. to IEC 60947.4-2: Class A       Communication module is supported     Yes       • PROFINET standard     Yes       • Modubus TCP     Yes       • Modubus TCP     Yes       • Outing torsplander Faults at 460/480 V according to U.     Siemens type: 3VA51, max. 125 A; lq = 10 kA <tr< td=""><td>processing</td><td></td></tr<>	processing	
• at the digital inputs at AC maximum         100 m           tightening torque         • or maxiliary and control contacts with screw-type terminals         4.56 N m           • for auxiliary and control contacts with screw-type terminals         0.812 N m           tightening torque (Ibf-In)         • or auxiliary and control contacts with screw-type terminals           • for auxiliary and control contacts with screw-type terminals         4.053 lbf-in           • for auxiliary and control contacts with screw-type terminals         4.053 lbf-in           • for auxiliary and control contacts with screw-type terminals         4.053 lbf-in           • for auxiliary and control contacts with screw-type terminals         4.053 lbf-in           • for auxiliary and control contacts with screw-type terminals         4.053 lbf-in           • for auxiliary and control contacts with screw-type terminals         4.0 40 °C           • during operation         5.000 m; Derating as of 1000 m, see catalog           • during operation according to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 352 (sand must not get inside the devices), 3M6           • during storage according to IEC 60721         3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4           • during transport according to IEC 60721         2K2, 2C1, 2S1, 2K1, 2M2 (max, 1BH leigh 10.3 m)           • during		1x (20 12), 2x (20 14)
tightening torque <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type terminals</li> <li>during persten</li> <li>during persten</li> <li>eluring persten</li> <li>eluring persten</li> <li>eluring transport according to IEC 60721</li> <li>eluring transport according to IEC 60721</li></ul>		
• for main contacts with screw-type terminals         4.5 6 N m           • for auxiliary and control contacts with screw-type terminals         0.8 12 N m           • tightening torque [JBFin]         40 63 lbFin           • for auxiliary and control contacts with screw-type terminals         40 63 lbFin           • for auxiliary and control contacts with screw-type terminals         40 63 lbFin           • Ambient conditions         7 10.3 lbFin           Installation altitude at height above sea level maximum ambient temperature         5 000 m; Derating as of 1000 m, see catalog           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during operation         -26 +80 °C           • during storage according to IEC 60721         3K6 (no loc formation, only occasional condensation), 3C3 (no salt mist), 1S2 (sand must not get inside the devices), 3M6           • during transport according to IEC 60721         26, 22, 22, 23, 281, 2M2 (max, fall height 0.3 m) acct [C nosalt mist), 1S2 (sand must not get inside the devices), 3M6           • during transport according to IEC 60721         26, 22, 22, 23, 281, 2M2 (max, fall height 0.3 m) acct [C nosalt mist), 1S2 (sand must not get inside the devices), 3M6           • during transport according to IEC 60721         26, 22, 22, 23, 281, 2M2 (max, fall height 0.3 m) acct [C nosalt mist), 1S2 (sand must not get inside the devices), 3M6           • during transport according to ILC         27	<b>-</b> .	100 m
terminals       40 53 lbfin         • for main contacts with screw-type terminals       40 53 lbfin         • for auxiliary and control contacts with screw-type       7 10.3 lbfin         Ambient conditions       5 000 m; Derating as of 1000 m, see catalog         Installation altitude at height above sea level maximum       5 000 m; Derating as of 1000 m, see catalog         • during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °C         • during storage and transport       -40 +80 °C         • during storage according to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get in side the devices), 3M6         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc to IEC 60947.4-2; Class A         Communication/ Protocol       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc to IEC 60947.4-2; Class A         Communication/ Protocol       Yes         • EtherNet/IP       Yes         • PROFIBUS       Yes         • PROFIBUS       Yes         • proficiant faults at 460/480 V according to UL       Siemens type: 3VA51, max, 125 A; Iq = 10 kA         • usable for Standard Faults at 460/480 V at inside-deta circuit according to UL       Siemens type: 3VA51, max, 125 A; Iq = 10 kA         • usab	for main contacts with screw-type terminals	
• for main contacts with screw-type terminals         40 53 lbf in           • for auxiliary and control contacts with screw-type         7 10.3 lbf in           Installation allitude at height above sea level maximum         5 000 m; Derating as of 1000 m, see catalog           ambient temperature         6 during operation           • during operation         -25 +60 °C; Please observe derating at temperatures of 40 °C or above           • during storage and transport         -40 +80 °C           • during storage according to IEC 60721         3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6           • during transport according to IEC 60721         2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc: to IEC 60947/4-2; Class A           Communication module is supported         • PROFINET standard         Yes           • Robus RTU         Yes         Yes           • Modbus RTD         Yes         Yes           • Modbus RTD         Yes         Yes           • PROFIRET standard         Yes         Yes           • UL/CSA ratings         Yes         Yes           • usable for Standard Faults at 460/480 V according to UL         Siemens type: 3VA51, max. 125 A; Iq = 10 kA           • usable for Standard Faults at 460/480 V at inside-deta circuit according to UL         Siemens type: 3VA51, max. 125 A; Iq = 10 kA		0.8 1.2 N·m
• for auxiliary and control contacts with screw-type terminals     7 10.3 lbf in       Ambient conditions     5000 m; Derating as of 1000 m, see catalog       • during operation     -25 +60 °C; Please observe derating at temperatures of 40 °C or above       • during storage and transport     -40 +80 °C       • during storage and transport     -40 +80 °C       • during storage and transport     -40 +80 °C       • during storage according to IEC 60721     3K6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 352 (sand must not get into the devices), 3M6       • during transport according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) acc. to IEC 60947-4-2; Class A       Communication M Protocol     Communication module is supported       • PROFINET standard     Yes       • Modbus RTU     Yes       • Modbus RTU     Yes       • Dirtiesker     usable for High Faults at 460/480 V according to UL	tightening torque [lbf·in]	
Installation is         Ambient conditions         Installation altitude at height above sea level maximum ambient temperature <ul> <li>during operation</li> <li>25 +60 °C; Please observe derating at temperatures of 40 °C or above</li> <li>during operation according to IEC 60721</li> <li>during storage and transport</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max, fail height 0.3 m) acc, to IEC 60947-4-2; Class A</li> </ul> <li>Communication Protocol</li> <li>Communication module is supported         <ul> <li>PROFIBUS</li> <li>Yes</li> <li>Modbus RTU</li> <li>Yes</li> </ul> </li> <li>Modbus TCP         <ul> <li>usable for Standard Faults at 460/480 V according to IU.</li> <li>usable for Standard Faults at 460/480 V according to U.</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 575/600 V according to U.</li> <li>usable for Standard Faults</li></ul></li>		
Ambient conditions         Installation altitude at height above sea level maximum ambient temperature • during operation       5 000 m; Derating as of 1000 m, see catalog         • during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during operation according to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         • during transport according to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc. to IEC 60947-4-2; Class A         Communication Protocol	5 51	7 10.3 lbf·in
Installation altitude at height above sea level maximum ambient temperature       5 000 m; Derating as of 1000 m, see catalog         • during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °C         environmental category       3K6 (no ice formation, only occasional condensation), 3C3 (no sait mist), 3S2 (sand must not get into the devices), 3M6         • during transport according to IEC 60721       3K6 (no ice formation, only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get inside the devices), 1M4         • during transport according to IEC 60721       2K.2, 2C,1, 2S1, XUR (max, fall height 0.3 m) acc. to IEC 60947-4-2: Class A         Communication Protocol		
ambient temperature       -25+60 °C; Please observe derating at temperatures of 40 °C or above         • during operation       -25+60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40+80 °C         • during operation according to IEC 60721       3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6         • during transport according to IEC 60721       3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A         Communication/ Protocol       Communication module is supported         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Oricruit breaker       -         • of circuit breaker       -         • usable for High Faults at 460/480 V according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         Siemens type: 3VA51, max. 125 A; lq = 10 kA       Siemens type: 3VA51, max. 125 A; lq = 10 kA         • usable for High Faults at 460/480 V at insidedelta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         • usable for Standard Faults at 575/600 V at insidedelta circuit according		5 000 m: Derating as of 1000 m, see catalog
• during operation       -25 +60 °C; Please observe derating at temperatures of 40 °C or above         • during storage and transport       -40 +80 °C         • during operation according to IEC 60721       3K6 (no loe formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         • during transport according to IEC 60721       3K6 (no loe formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A         Communication module is supported       • PROFINET standard         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes <b>ULCSA ratings</b> Yes         • usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         • usable for Standard Faults at 575/600 V at inside-delta circuit accor	-	
<ul> <li>during storage and transport</li> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>tK6 (no) voccasional condensation), 1C2 (no salt mist), 3S2 (sand must not get inside the devices), 3M6</li> <li>during transport according to IEC 60721</li> <li>tK6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4</li> <li>during transport according to IEC 60721</li> <li>ZK2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)</li> <li>acc. to IEC 60947-4-2: Class A</li> </ul> <b>Communication Module is supported</b> <ul> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>Yes</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> <b>UL/CSA ratings manufacturer's article number</b> <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Figh Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 4575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <!--</td--><td>-</td><td>-25 +60 °C; Please observe derating at temperatures of 40 °C or</td></ul>	-	-25 +60 °C; Please observe derating at temperatures of 40 °C or
environmental category <ul> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>EMC emitted interference</li> <li>during transport according to IEC 60721</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> </ul> <li>Communication module is supported         <ul> <li>PROFINET standard</li> <li>Yes</li> <li>Modus RTU</li> <li>Yes</li> <li>Rodobus RTU</li> <li>Yes</li> </ul> </li> <li>Modus RTU</li> <li>Yes</li> <li>PROFINET standard</li> <li>Yes</li> <li>PROFINET standard</li> <li>Yes</li> <li>Modus RTU</li> <li>Yes</li> <li>PROFISUS</li> <li>Yes</li> <li>VL/CSA ratings</li> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to U.</li> <li>usable for Standard Faults at 460/480 V according to U.</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 450/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 450/480 V at inside-delta circuit according to U.</li> <li>usable for Standard Faults at 575/600 V according to U.</li> <li>usable for Standard Faults at 575/600 V at inside-delta circui</li></ul></li>		
<ul> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>EMC emitted interference</li> <li>Communication module is supported</li> <li>PROFINET standard</li> <li>PROFINET standard</li> <li>PROFIBUS</li> <li>Ves</li> <li>Modbus RTU</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>musable for Standard Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 455/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/6</li></ul>		-40 +80 °C
• during storage according to IEC 60721       mist), 3S2 (sand must not get into the devices), 3M6         • during storage according to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2; Class A         Communication Protocol       etherNet/IP         • Communication module is supported       Yes         • PROFINET standard       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         Siemens type: 3VA51, max. 125 A; Iq = 10 kA       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         Siemens type: 3VA51, max. 125 A; Iq = 10 kA       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         Siemens type: 3VA51, max. 125 A; Iq = 10 kA       Siemens type: 3VA51, max. 125 A; Iq = 10 kA         usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type	0,1	3K6 (no ice formation, only occasional condensation), 3C3 (no salt
• during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         EMC emitted interference       acc. to IEC 60947-4-2: Class A         Communication/Protocol       • PROFINET standard         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         UL/CSA ratings       Yes         usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 460/480 V according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 575/60		
EMC emitted interferenceacc. to IEC 60947-4-2: Class ACommunication/ Protocolcommunication module is supported• PROFINET standardYes• EtherNet/IPYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYesUL/CSA ratingsmanufacturer's article number• of circuit breaker- usable for Standard Faults at 460/480 V according to UL- usable for Standard Faults at 460/480 V according to UL- usable for Standard Faults at 460/480 V at inside-delta circuit according to UL- usable for High Faults at 460/480 V at inside-delta circuit according to UL- usable for Standard Faults at 460/480 V at inside-delta circuit according to UL- usable for Standard Faults at 460/480 V at inside-delta circuit according to UL- usable for Standard Faults at 460/480 V at inside-delta circuit according to UL- usable for Standard Faults at 460/480 V at inside-delta circuit according to UL- usable for Standard Faults at 575/600 V according to UL- usable for Standard Faults at 575/600 V at inside-delta circuit according to UL- usable for Standard Faults at 575/600 V at inside-delta circuit according to UL- usable for Standard Faults at 575/600 V at inside-delta circuit according to UL- usable for Standard Faults at 575/600 V at inside-delta circuit according to UL- usable for Standard Faults at 575/600 V at inside-delta circuit according to UL- usable for Standard Faults at 575/600 V at inside-delta circuit according to UL- usable for Standard Faults at 575/600 V at inside-delta circuit according to UL- usable for Sta	<ul> <li>during storage according to IEC 60721</li> </ul>	not get inside the devices), 1M4
Communication / Protocol         communication module is supported            • PROFINET standard       Yes            • EtherNet/IP       Yes            • Modbus RTU       Yes            • Modbus RTU       Yes            • Modbus TCP       Yes            • PROFIBUS       Yes <b>UL/CSA ratings manufacturer's article number</b> • of circuit breaker              - usable for Standard Faults at 460/480 V       Siemens type: 3VA51, max. 125 A; lq = 10 kA            according to UL           - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL             - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL        Siemens type: 3VA51, max. 125 A; lq max = 65 kA            delta circuit according to UL           - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL        Siemens type: 3VA51, max. 125 A; lq max = 65 kA            delta circuit according to UL           - usable for Standard Faults at 575/600 V according to UL        Siemens type: 3VA51, max. 125 A; lq = 10 kA            - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL        Siemens type: 3VA51, max. 125 A; lq = 10 kA <t< td=""><td>5 I 5</td><td></td></t<>	5 I 5	
communication module is supported       Yes         • PROFINET standard       Yes         • EtherNet/IP       Yes         • Modbus RTU       Yes         • Modbus TCP       Yes         • PROFIBUS       Yes         • PROFIBUS       Yes         • PROFIBUS       Yes         • Dut/CSA ratings       Yes         manufacturer's article number       of circuit breaker         - usable for Standard Faults at 460/480 V       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for High Faults at 460/480 V according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for High Faults at 460/480 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA </td <td></td> <td>acc. to IEC 60947-4-2: Class A</td>		acc. to IEC 60947-4-2: Class A
<ul> <li>PROFINET standard Yes</li> <li>EtherNet/IP Yes</li> <li>Modbus RTU Yes</li> <li>Modbus TCP Yes</li> <li>PROFIBUS Yes</li> <li>UL/CSA ratings</li> <li>UL/CSA ratings</li> <li>UL/CSA rations</li> <li>UL/CSA rations</li> <li>UL/CSA rations</li> <li>Siemens type: 3VA51, max. 125 A; Iq = 10 kA</li> <li>according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>		
• EtherNet/IPYes• Modbus RTUYes• Modbus TCPYes• PROFIBUSYes <b>UL/CSA ratings</b> Yes <b>UL/CSA ratingsUL/CSA ratingsOULIONAL POINT OF TRANSPORT OF Standard Faults at 460/480 V</b> according to UL usable for Standard Faults at 460/480 V according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for High Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq = 10 kA usable for Standard Faults at 575/600 V at inside-delta circuit according to ULSiemens type: 3VA51, max. 125 A; lq		Voo
<ul> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li><b>UL/CSA ratings</b></li> <li><b>manufacturer's article number</b> <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V</li> <li>according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at coording to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> </ul> </li> </ul>		
<ul> <li>PROFIBUS Yes</li> <li>UL/CSA ratings</li> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li></ul></li></ul>		
UL/CSA ratings         manufacturer's article number         • of circuit breaker         - usable for Standard Faults at 460/480 V         according to UL         - usable for High Faults at 460/480 V according to UL         - usable for Standard Faults at 460/480 V according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         - usable for High Faults at 460/480 V at inside-delta circuit according to UL         - usable for Standard Faults at 575/600 V according to UL         - usable for Standard Faults at 575/600 V according to UL         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         - of the fuse	Modbus TCP	Yes
manufacturer's article number         • of circuit breaker         — usable for Standard Faults at 460/480 V         according to UL         — usable for High Faults at 460/480 V according to UL         — usable for Standard Faults at 460/480 V according to UL         — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside-delta circuit according to UL         — usable for High Faults at 460/480 V at inside- delta circuit according to UL         — usable for Standard Faults at 460/480 V at inside- delta circuit according to UL         — usable for Standard Faults at 575/600 V according to UL         — usable for Standard Faults at 575/600 V according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL         — of the fuse	PROFIBUS	Yes
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at council according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> </ul> </li> </ul>	UL/CSA ratings	
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	manufacturer's article number	
<ul> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	— usable for Standard Faults at 460/480 V	Siemens type: 3VA51, max. 125 A; Iq = 10 kA
<ul> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> </ul>	— usable for High Faults at 460/480 V according	Siemens type: 3VA51, max. 125 A; lq max = 65 kA
delta circuit according to UL       Siemens type: 3VA51, max. 125 A; lq = 10 kA	— usable for Standard Faults at 460/480 V at	Siemens type: 3VA51, max. 125 A; Iq = 10 kA
<ul> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> </ul>	— usable for High Faults at 460/480 V at inside-	Siemens type: 3VA51, max. 125 A; lq max = 65 kA
<ul> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> </ul>	- usable for Standard Faults at 575/600 V	Siemens type: 3VA51, max. 125 A; Iq = 10 kA
	<ul> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 125 A; lq = 10 kA
		Type: Class RK5 / K5, max. 250 A; lq = 10 kA

according to UL	
<ul> <li>— usable for High Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 250 A; lq = 100 kA
— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class RK5 / K5, max. 250 A; lq = 10 kA
<ul> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 250 A; lq = 100 kA
operating power [hp] for 3-phase motors	
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	20 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	25 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	50 hp
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated</li> </ul>	30 hp
<ul> <li>value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	40 hp
• at 460/480 V at inside-delta circuit at 50 °C rated value	75 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front according to IEC 60529	IP00; IP20 with cover
touch protection on the front according to IEC 60529 electromagnetic compatibility	finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2
Certificates/ approvals	
General Product Approval	EMC
	_
Confirmation	
CSA CCC	UL BERE RCM
Declaration of Conformity Test Certifica	ates Marine / Shipping
Type Test Ce	
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EG-Konf.	ABS
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Confirmation Prs	
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Eurther information           Information on the packaging           https://support.industry.siemens.com/cs/ww/en/view/1098138           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           Cax online generator           http://support.automation.siemens.com/WW/CAXorder/defau           Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3RW5226	) t?mlfb=3RW5226-1AC14 lt.aspx?lang=en&mlfb=3RW5226-1AC14 FAQs,) -1AC14
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