SIEMENS

Data sheet

3RW5554-2HA16



SIRIUS soft starter 200-690 V 840 A, 110-250 V AC Spring-type terminals

Figure similar

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>
 of communication module PROFINET high-feature usable 	<u>3RW5950-0CH00</u>
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>
 of circuit breaker usable at 400 V 	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</u>
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NB3351-1KK26; Type of coordination 2, Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NC3343-1U; Type of coordination 2, Iq = 65 kA</u>
General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
stopping torque [%]	10 100 %
torque limitation [%]	20 200 %
current limiting value [%] adjustable	125 800 %
breakaway voltage [%] adjustable	40 100 %
breakaway time adjustable	0 2 s
number of parameter sets	3
accuracy class acc. to IEC 61557-12	5 %

elemanian Yes • UL approval Yes • CSA approval Yes • Product component Yes • MM-High Feature Yes • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • Corrent circuit ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Feature • ISM supported HM-High Feature ISM supported HM-High Fe	certificate of suitability	_
• U.L. approval • Ses Approval Yes • Ses Approval Yes • Ses Approval •	-	Ves
• CSA approval Yes product component • • IMII-High Feature Yes • Is apported HMI-High Feature Yes product Fature integrated bypass contact system Yes numbor of controlled phases 3 grand-fault integrated bypass contact system Yes for nanic unrent circuit 100 ms of or nanic unrent circuit 0.0 ms ide time adjustable 0.255 s Insulation valueg rated value 800 V service factor 115 surge voltage resistance 160 V iderive adjustable 600 V obcking voltage rated value 800 V service factor 15 of 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistanc	0	
product component HMI-High Feature Yes supported HMI-High Feature Yes current univer of controlled phases CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2 current univer of controlled phases CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2 current univer of control default 0 69 % ground-fault monitoring limiting value [%] 10 69 % recovery time after overload time jadjustable of control circuit 100 ms of control circuit 600 V; does not apply for themistor conneciton utititizion category		
• HMI-High Feature Yes - is supported HMI-High Feature Yes product facture integrated bypass contact system Yes number of controlled phases 3 Grund-Facture integrated bypass contact system Yes current unbalance limiting value [%] 1069 %. ground-fault monitoring limiting value [%] 1069 %. recovery time after overload trip adjustable 601 800 s buffering time in the event of power failure 100 ms - for ornitic circuit 100 ms - for ornitic circuit 00 ms - for control circuit 00 ms - for control circuit 900 V degree of pollution 3, acc. to IEC 60947-4-2 Impulse voltage rated value 800 V service factor 115 surge voltage or seistance rated value 800 V - between main and auxiliary circuit 600 V - formes coda acc. to IEC 60947-4-2 AC 53a - forme (on set stering) Yes - forme on set sce.ee 15 m/l 11 ms. from 6 g / 11 ms. with potential contact lifting - forme acoda acc. to IEC 60947-4-2		
• is supported HbH-Hgh Feature Yes product feature integrated bypass contact system Yes number of controlled phases 3 trip class CLASS 10A / 10E ((default) / 20E / 30E; acc. to IEC 60947.4-2 current unbalance limiting value [%] 10 60 %. ground-fault monitoring limiting value [%] 10 60 %. encovery time after veroid of trap adjustable 60 1800 s buffering time in the event of power failure 100 ms of or main current circuit 100 ms i for control circuit 100 ms degree of pollution 3, acc. to IEC 60947.4-2 impulse voltage rated value 660 V service factor 1.15 eurge voltage rated value 660 V service factor 1.16 eurge voltage rof setsince rated value 660 V istroke factor 1.16 eurge voltage rof setsince rated value 600 V. does not apply for thermistor connection utilization category acc. to IEC 60947.4-2 AC 53a shock resistance 15g / 11 ms, from 6g / 11 ms with potential contact lifting vibration entistance 15g / 102 / 201 90 / 00		Vec
product faiture Integrated bypass contact system Yes number of controlled phases 3 rig class CLASS 10A/ 10E (default) / 20E / 30E; acc. to IEC 60947.4-2 current unbalance limiting value [Ya] 1069 % recovery time after overload trip adjustable 60 1 800 s buffering time in the event of power failure 100 ms • for main current circuit 100 ms • for control circuit 100 ms • for control circuit 00 ms • for control circuit 0	-	
number of controlled phases 3 trip class CLASS 10A / 10C (default) / 20E / 30E; acc. to IEC 60947.4-2 current unbalance limiting value [½] 1065 %; recovery time after overload thy adjustable 60 1800 % buffering time in the event of power failure 60 mm. - for main current circuit 100 ms - for ontio circuit 100 ms - for gain current circuit 000 ms - for dian current circuit 100 ms - for dian current circuit 00 ms - for dian current circuit 100 ms - for dian current circuit 0 255 s - for dian current circuit 3, acc. to IEC 60947.4-2 - for dian current circuit 600 V - degree of pollution 3, acc. to IEC 60947.4-2 - for dian current circuit 600 V; does not apply for themistor connection utilization category acc. to IEC 60947.4-2 AC 53a - for dian current circuit 40 doy 0.000 utilization category acc. to IEC 60947.4-2 AC 53a - for dian current circuit 70 doy 0.11 ms with potential contact lifting vibration celoca current circuit <td< th=""><th></th><td></td></td<>		
Irtje class CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60847-4-2 current unbalance limiting value [%] 1069 %. recovery time after overload trip adjustable 601800 s buffering time in the event of power failure 100 ms • for control circuit 100 ms • for control circuit 100 ms • for control circuit 00 ms • degree of pollution 3, acc. to IEC 60847-4-2 impulse voltage rated value 680 V • degree of pollution 3, acc. to IEC 60847-4-2 impulse voltage restance 8 kV blocking voltage restand value 8 kV envice factor 1.15 surge voltage restance arted value 600 V, does not apply for thermistor connection • between main and auxiliary circuit 600 V, does not apply for thermistor connection • utilization category acc. to IEC 60947-4-2 Qc Substance Pohlbitance (Date) • to claway pubs 1102 2019 00:00:00 • detween main and auxiliary circuit 40c Sa • dots stating) Yes • dots stating) Yes • adupustable c		
Current unbalance limiting value [%] 1060 % ground-fault monitoring limiting value [%] 1095 % recovery time and erro vertoad try adjustable 601800 s buffering time in the event of power failure 100 ms of or main current circuit 100 ms if or control circuit 000 ms idle time adjustable 0255 s insulation voltage rated value 660 V degree of pollution 3, acc. to IEC 60947-4-2 inguistable strate value 8 kV blocking voltage rated value 8 kV blocking voltage rated value 8 kV issurge voltage rated value 8 kV maint adjustable 1.15 surge voltage rated value 8 kV maint adjustable voltage for safe isolation 690 V: does not apply for thermistor connection utilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15 / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 / 12 / 11 ms, from 6 g / 11 ms with potential contact lifting vibrato		
ground-fault monitoring limiting value [%] 1095 % recovery time after overload trip adjustable 60 1 800 s buffering time in the event of power failure 100 ms i for onini current circuit 100 ms i for onini current circuit 00 ms i for onini current circuit 660 V i for onini current circuit 680 V i for onini current circuit 680 V i for onini current circuit 690 V; does not apply for themistor connection i blocking vortage of the thyristor maximum 1800 V estroper setstance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 1102 2019 00:00:00 product function Yes • camp-down (soft stop) Yes • camp-down (soft stop) Yes • adjustable current limitation Yes • camp-down (soft stop) Yes • inder overload protection Yes • inder overload protection	•	
recovery time after overload trip adjustable 60 1 800 s buffering time in the event of power failure 100 ms of or main current circuit 100 ms Idle time adjustable 0 255 s insulation voltage rated value 660 V degree of pollution 3. acc. to IEC 60947.4-2 impulse voltage rated value 8kV blocking voltage rated value 8kV blocking voltage roted value 8kV blocking voltage of the thyristor maximum 1800 V service factor 1.15 surge voltage roted stander value 8kV maximum permissible voltage for safe isolation 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947.4-2 AC 53a shock resistance 15 g/ 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz.2 g up to 500 Hz reference code acc. to IEC 61346-2 O Substance Prohibilance (Date) 11.02.2019 00.00.00 product function Yes • ramp-up (soft starting) Yes • ramp-up (soft starting) Yes <td< th=""><th></th><td></td></td<>		
buffering time in the event of power failure 100 ms • for control circuit 100 ms Idle time adjustable 0255 s insulation voldsge rated value 660 V degree of pollution 3, acc. to IEC 60947-4-2 Imputes voltage of the thyristor maximum 800 V service factor 1.15 surge voltage resistance rated value 80 V meximum permissible voltage for safe isolation 600 V; does not apply for thermistor connection • between main and auxiliary circuit 600 V; does not apply for thermistor connection • tilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 11.02.2019 00.00:00 product function Yes • taramp-down (soft stop) Yes • tarap-down (soft stop) Yes • trace sunction Yes • limitiasic device protection Yes • trand-teRSET Yes <td< th=""><th></th><td>—</td></td<>		—
• for control circuit 100 ms • for control circuit 100 ms • left time adjustable 0 255 s Insulation voltage rated value 680 V degree of pollution 3, acc. to IEC 60947-4-2 Impulse voltage rated value 8 kV blocking voltage restatance rated value 8 kV iservice factor 1.15 surge voltage resistance rated value 8 kV maximum permissible voltage for safe isolation 630 V, does not apply for thermistor connection utilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15 g / 11 ms, form 6 g / 11 ms with potential contact lifting vibration resistance 15 m up to 6 Hz; 2 g up to 500 Hz vibration resistance 15 m up to 6 Hz; 2 g up to 500 Hz vibration resistance 15 m up to 6 Hz; 2 g up to 500 Hz vibration resistance 15 m up to 6 Hz; 2 g up to 500 Hz vibration resistance 15 m up to 6 Hz; 2 g up to 500 Hz vibration resistance 15 m up to 6 Hz; 2 g up to 500 Hz vibration (soft stop) Yes • ramp-down (soft stop) Yes • adjustable current limination		00 1 000 S
• for control circuit 100 ms Idle time adjustable 0255 s insulation voltage rated value 680 V degree of pollution 3, acc. to IEC 60947-4-2 impulse voltage of the thyristor maximum 1800 V service factor 8.KV maximum permissible voltage for safe isolation 8.KV • between main and auxiliary circuit 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15.g / 11 ms, from 6.g / 11 ms with potential contact lifting vibration resistance (Cate) 11.02.2019 00:00:00 product function Yes • tramp-down (soft stop) Yes • adjustable current limitation Yes • adjustable current limitation Yes • trace function Yes • motor overload protection Yes • foreal wave pulse Yes • trace function Yes • tramp-down (so		100 mg
Ide time adjustable 0 255 s Insulation voltage rated value 690 V degree of pollution 3, acc. to IEC 60947.4-2 Impulse voltage rated value 8 kV blocking voltage restance rated value 8 kV maximum permissible voltage for safe isolation 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947.4-2 AC 53a shock resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 6 g / 11 ms, with potential contact lifting vibration resistance 15 g / 11 ms, from 6 g / 11 ms, with potential contact lifting vibration resistance 10 ac 2019 0::00:00 product function Yes • ramp-up (soft starting) Yes • adustable current limitation Yes • adustable current limitation Yes • undor heating Yes • inside-delta circuit Yes • inside-delta circuit Yes		
Insulation voltage rated value 690 V degree of pollution 3, acc. to IEC 60947-4-2 impulse voltage rated value 8 kV blocking voltage of the thyristor maximum 1 800 V service factor 1.15 surge voltage resistance rated value 8 kV maximum permissible voltage for safe isolation 690 V; does not apply for thermistor connection • between main and auxiliary circuit 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947-4.2 AC 55a shock resistance 15 g/ 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 61346-2 Q Substance Prohibitance (Date) 11.02.2019 00:00:00 product function Yes • ramp-up (soft staring) Yes • ramp-up (soft staring) Yes • creep speed in both directions of rotation Yes • breakawap pulse Yes • breakawap pulse Yes • upm ramp down Yes • DC braking Yes • notor overload protection Yes; Full motor protection (thermistor motor protection		
degree of pollution 3, acc. to IEC 60947-4-2 Impulse voltage rated value 8 kV blocking voltage of the thyristor maximum 1800 V service factor 1.15 surge voltage rated value 8 kV meximum permissible voltage for safe isolation 690 V; does not apply for thermistor connection • between main and auxiliary circuit 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947-4.2 AC 53a shock resistance 15 g/ 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 81346-2 O Substance Prohibitance (Date) 11.02.2019 00:00:00 product function Yes • ramp-up down (soft stop) Yes • creep speed in both directions of rotation Yes • pump ramp down Yes • DC braking Yes • lintinisic device protection Yes • intrinsic device protection Yes • notor heating Yes • intrinsic device protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) •		
Impulse voltage rated value 8 kV blocking voltage of the thyristor maximum 1800 V service factor 1.15 surge voltage resistance rated value 8 kV maximum permissible voltage for safe isolation 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947-42 AC 53a shock resistance 15 g/ 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 11.02 2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • breakaway pulse Yes • creep speed in both directions of rotation Yes • pump ramp down Yes • lact function Yes • lacte function Yes • lacte function Yes • notor overioad protection Yes		
blocking voltage of the thyristor maximum 1 800 V service factor 1.15 surge voltage resistance rated value 8 kV maximum permissible voltage for safe Isolation 690 V; does not apply for thermistor connection • between main and auxiliary circuit 690 V; does not apply for thermistor connection • utilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 61346-2 Q Substance Prohibitance (Date) 11.02 2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • ramp-down (soft stop) Yes • breakaway pulse Yes • adjustable current limitation Yes • adjustable current imitation Yes • notor overload protection Yes • notor overload protection Yes <th></th> <td></td>		
service factor 1.15 surge voltage resistance rated value 8 kV maximum permissible voltage for safe isolation 690 V; does not apply for thermistor connection • between main and auxiliary circuit 690 V; does not apply for thermistor connection vibration category acc. to IEC 60947-4-2 AC 53a shock resistance 15 g / 111 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mu up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 81346-2 Q Substance (Date) 11 02 2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • adjustable current limitation Yes • creep speed in both directions of rotation Yes • DC braking Yes • buck existing Yes • buck pointer function Yes • slave pointer function Yes • slave pointer function Yes • motor overload protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • inside-detta circuit Yes • auto-RESET Yes • remole reset Yes		_
surge voltage resistance rated value 8 kV maximum permissible voltage for safe isolation 600 V; does not apply for thermistor connection utilization category acc. to IEC 60947.4-2 AC 53a shock resistance 15 g / 11 ms, with potential contact lifting vibration resistance 15 g / 11 ms, with potential contact lifting reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 11.02.2019 00:00:00 product function Yes • ramp-down (soft stop) Yes • breakaway pulse Yes • adjustable current limitation Yes • pump ramp down Yes • both resiting Yes • lawe pointer function Yes • intrinsic device protection Yes • intrinsic device protection Yes • motor overload protection Yes; Full motor protection (thermistor motor protection and		
maximum permissible voltage for safe isolation 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15 g/ 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 61346-2 Q Substance Prohibitance (Date) 11 02:019 00:00:00 product function Yes • ramp-dup (soft starting) Yes • adjustable current limitation Yes • creep speed in both directions of rotation Yes • notor heating Yes • notor heating Yes • notor heating Yes • notor heating Yes • lace function Yes • intrinsic device protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Type A PTC or Klixon / Thermoclick • inside-deita circuit Yes • auto-RESET Yes • manual RESET Yes • remote reset Yes • communication function Yes • operating		_
• between main and auxiliary circuit 690 V; does not apply for thermistor connection utilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 11.02.2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • breakaway pulse Yes • adjustable current limitation Yes • creep speed in both directions of rotation Yes • pump ramp down Yes • C braking Yes • motor heating Yes • adjustable current limitation Yes • adjustable current limitation Yes • D C braking Yes • motor heating Yes • intrinsic device protection Yes • intrinsic device protection Yes • motor overload protection Yes; Type A PTC or Klixon / Thermoclick • inside-detta circuit Yes • motor func		
utilization category acc. to IEC 60947-4-2 AC 53a shock resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 11.02.2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • adjustable current limitation Yes		600 V: does not apply for thermister connection
shock resistance 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting vibration resistance 15 mm up to 6 Hz; 2 g up to 500 Hz reference code acc. to IEC 81346-2 Q Quitation resistance 11.02.2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • amp-up (soft starting) Yes • amp-down (soft stop) Yes • breakaway pulse Yes • adjustable current limitation Yes • creep speed in both directions of rotation Yes • breakaway pulse Yes • both heating Yes • notor heating Yes • notor heating Yes • notor overload protection Yes • intrinsic device protection Yes; Tuple A PTC or Klixon / Thermoclick • inside-delta circuit Yes • uto-RESET Yes • manual RESET Yes • communication function Yes • perating measured value display Yes • event list Yes • event list Yes • iva software configurable Yes		
vibration resistance15 mm up to 6 Hz; 2 g up to 500 Hzreference code acc. to IEC 81346-2QSubstance Prohibitance (Date)11.02.2019 00:00:00product function• ramp-up (soft starting)Yes• breakaway pulseYes• digutable current limitationYes• creep speed in both directions of rotationYes• breakaway pulseYes• digutable current limitationYes• breakaway pulseYes• adjutable current limitationYes• both directions of rotationYes• both heatingYes• motor heatingYes• intrinsic device protectionYes• indor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• nanual RESETYes• communication functionYes• perating measured value displayYes• event listYes• event listYes• ivia software configurableYes• via software configurableYes• remoter functionYes• error logbookYes• via software configurableYes• via software configurableYes• pROFlenergyYes; in connection with the PROFINE		
reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 11.02.2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • atamp-down (soft stop) Yes • breakaway pulse Yes • atamp-down (soft stop) Yes • breakaway pulse Yes • adjustable current limitation Yes • creep speed in both directions of rotation Yes • DC braking Yes • motor heating Yes • notor heating Yes • intrinsic device protection Yes • intrinsic device protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Type A PTC or Klixon / Thermoclick • inside-delta circuit Yes; Only up to 600 V operating voltage • auto-RESET Yes • manual RESET Yes • communication function Yes • operating measured value display Yes • event list Yes • event list Yes • via software configurable Yes <th></th> <th></th>		
Substance Prohibitance (Date) 11.02.2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • amp-down (soft stop) Yes • breakaway pulse Yes • adjustable current limitation Yes • creep speed in both directions of rotation Yes • pump ramp down Yes • DC braking Yes • motor heating Yes • adjustable current limitation Yes • DC braking Yes • motor heating Yes • slave pointer function Yes • intrinsic device protection Yes • intrinsic device protection Yes • motor overload protection Yes • evaluation of thermistor motor protection Yes • evaluation of thermistor motor protection Yes • manual RESET Yes • remote reset Yes • communication function Yes • operating measured value display Yes • event list Yes • error logbook Yes via software configurable Yes </th <th></th> <th></th>		
product function • ramp-up (soft starting) Yes • ramp-down (soft stop) Yes • breakaway pulse Yes • adjustable current limitation Yes • creep speed in both directions of rotation Yes • pump ramp down Yes • DC braking Yes • motor heating Yes • slave pointer function Yes • slave pointer function Yes • trace function Yes • intrinsic device protection Yes • motor overload protection Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes; Type A PTC or Klixon / Thermoclick • inside-delta circuit Yes; Only up to 600 V operating voltage • annual RESET Yes • remote reset Yes • communication function Yes • operating measured value display Yes • event list Yes • error logbook Yes • via software parameterizable Yes • via software configurable Yes • screw terminal </th <th></th> <th></th>		
• ramp-up (soft starting)Yes• ramp-down (soft stop)Yes• breakaway pulseYes• adjustable current limitationYes• adjustable current limitationYes• creep speed in both directions of rotationYes• pump ramp downYes• DC brakingYes• motor heatingYes• motor heatingYes• intrinsic device protectionYes• intrinsic device protectionYes• motor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• inside-delta circuitYes• auto-RESETYes• manual RESETYes• communication functionYes• evanting measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• via software parameterizableYes• via software configurableYes• via software parameterizable <th></th> <td>11.02.2010 00.000</td>		11.02.2010 00.000
ramp-down (soft stop)Yes• breakaway pulseYes• adjustable current limitationYes• creep speed in both directions of rotationYes• pump ramp downYes• DC brakingYes• motor heatingYes• motor heatingYes• slave pointer functionYes• intrinsic device protectionYes• motor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• inside-delta circuitYes• auto-RESETYes• remote resetYes• communication functionYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• via software configurableYes• via Software parameterizableYes• via Software parameterizableYes• via Software parameterizableYes• pROFINET Hingh-Yes (in connection with the PROFINET Standard and PROFINET High-	-	Yes
• breakaway pulseYes• adjustable current limitationYes• creep speed in both directions of rotationYes• pump ramp downYes• DC brakingYes• motor heatingYes• motor heatingYes• slave pointer functionYes• trace functionYes• intrinsic device protectionYes• motor overload protectionYes• motor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• inside-delta circuitYes; Only up to 600 V operating voltage• auto-RESETYes• manual RESET*Yes• communication functionYes• operating measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• via software configurableYes• via software configurableYes• porigi-type terminalNo• pring-type terminalYes in connection with the PROFINET Standard and PROFINET High-		
• adjustable current limitationYes• creep speed in both directions of rotationYes• pump ramp downYes• DC brakingYes• motor heatingYes• motor heatingYes• slave pointer functionYes• trace functionYes• intrinsic device protectionYes• notor overload protectionYes, Full motor protection (thermistor motor protection and electronic motor verload protection)• evaluation of thermistor motor protectionYes; Only up to 600 V operating voltage• auto-RESETYes• montor functionYes• remote resetYes• communication functionYes• operating measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software parameterizableYes• via software parameterizableYes• via software parameterizableYes• via software perminalYes• PROFlenergyYes in connection with the PROFINET Standard and PROFINET High-		
creep speed in both directions of rotationYespump ramp downYesDC brakingYesmotor heatingYesintor heatingYesislave pointer functionYesitrace functionYesintrinsic device protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclickinside-delta circuitYeseuto-RESETYesmanual RESETYesremote resetYescommunication functionYesoperating measured value displayYesevent listYeserror logbookYesvia software parameterizableYesvia software parameterizableYesvia software configurableYesvia software parameterizableYesscrew terminalYese. PROFlenergyYes; in connection with the PROFINET Standard and PROFINET High-		
• pump ramp downYes• DC brakingYes• motor heatingYes• motor heatingYes• slave pointer functionYes• trace functionYes• intrinsic device protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• inside-delta circuitYes; Only up to 600 V operating voltage• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• event listYes• eror logbookYes• via software parameterizableYes• via software configurableYes• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard and PROFINET High-	-	
DC brakingYesmotor heatingYesslave pointer functionYesslave pointer functionYestrace functionYesintrinsic device protectionYesmotor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclickinside-delta circuitYes; Only up to 600 V operating voltageauto-RESETYesmanual RESETYesremote resetYescommunication functionYesoperating measured value displayYesevent listYeseror logbookYesvia software configurableYesvia software configurableYesscrew terminalNospring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-		
motor heatingYesslave pointer functionYestrace functionYesintrinsic device protectionYesmotor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclickinside-delta circuitYes; Only up to 600 V operating voltageauto-RESETYesmanual RESETYesremote resetYescommunication functionYesevent listYeserror logbookYesvia software parameterizableYesvia software configurableYesscrew terminalNoespring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-		
slave pointer functionYestrace functionYesintrinsic device protectionYesmotor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclickinside-delta circuitYes; Only up to 600 V operating voltageauto-RESETYesmanual RESETYesremote resetYesoperating measured value displayYeserror logbookYesvia software parameterizableYesvia software configurableYesexerw terminalNoespring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-	5	
• trace functionYes• intrinsic device protectionYes• motor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• inside-delta circuitYes; Only up to 600 V operating voltage• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• operating measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• spring-type terminalNo• PROFlenergyYes; in connection with the PROFINET Standard and PROFINET High-	-	
intrinsic device protectionYesmotor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclickinside-delta circuitYes; Only up to 600 V operating voltageauto-RESETYesmanual RESETYesremote resetYescommunication functionYesoperating measured value displayYesevent listYesvia software parameterizableYesvia software configurableYesscrew terminalNospring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-		
• motor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection)• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• inside-delta circuitYes; Only up to 600 V operating voltage• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• operating measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• screw terminalNo• spring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-		
• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• inside-delta circuitYes; Only up to 600 V operating voltage• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• operating measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• screw terminalNo• spring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-		Yes; Full motor protection (thermistor motor protection and electronic
• inside-delta circuitYes; Only up to 600 V operating voltage• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• operating measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• screw terminalNo• spring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-	 evaluation of thermistor motor protection 	
• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• operating measured value displayYes• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• screw terminalNo• spring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-		
 remote reset remote reset communication function operating measured value display operating measured value display ves event list error logbook via software parameterizable via software configurable via software configurable screw terminal spring-type terminal PROFlenergy Yes; in connection with the PROFINET Standard and PROFINET High- 	auto-RESET	
 communication function yes operating measured value display event list event list Yes error logbook via software parameterizable via software configurable screw terminal spring-type terminal PROFlenergy Yes; in connection with the PROFINET Standard and PROFINET High- 	manual RESET	Yes
• operating measured value displayYes• event listYes• error logbookYes• ria software parameterizableYes• via software configurableYes• sorew terminalNo• spring-type terminalYes; in connection with the PROFINET Standard and PROFINET High-	remote reset	Yes
• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• via software configurableYes• screw terminalNo• spring-type terminalYes• PROFlenergyYes; in connection with the PROFINET Standard and PROFINET High-	 communication function 	Yes
• event listYes• error logbookYes• via software parameterizableYes• via software configurableYes• via software configurableYes• screw terminalNo• spring-type terminalYes• PROFlenergyYes; in connection with the PROFINET Standard and PROFINET High-	 operating measured value display 	Yes
 via software parameterizable via software configurable via software configurable screw terminal spring-type terminal PROFlenergy Yes; in connection with the PROFINET Standard and PROFINET High- 		Yes
 via software parameterizable via software configurable via software configurable screw terminal spring-type terminal PROFlenergy Yes; in connection with the PROFINET Standard and PROFINET High- 	error logbook	Yes
 via software configurable screw terminal spring-type terminal PROFlenergy Yes; in connection with the PROFINET Standard and PROFINET High- 	0	
 screw terminal spring-type terminal PROFlenergy Yes; in connection with the PROFINET Standard and PROFINET High- 		Yes
• PROFIenergy Yes; in connection with the PROFINET Standard and PROFINET High-	_	No
• PROFINErgy Yes; in connection with the PROFINET Standard and PROFINET High-	 spring-type terminal 	Yes
		Yes; in connection with the PROFINET Standard and PROFINET High-

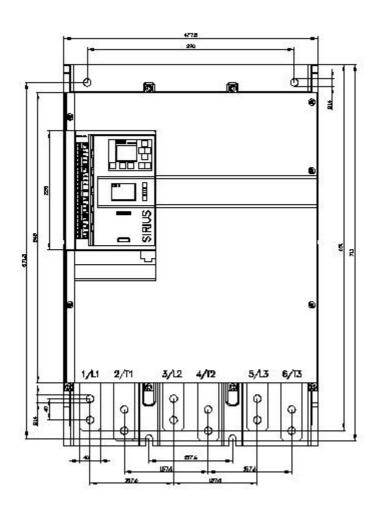
e 1.7	V.
firmware update	Yes
 removable terminal for control circuit 	Yes
voltage ramp	Yes
torque control	Yes
 combined braking 	Yes
 analog output 	Yes; 4 20 mA (default) / 0 10 V
 programmable control inputs/outputs 	Yes
 condition monitoring 	Yes
 automatic parameterisation 	Yes
 application wizards 	Yes
 alternative run-down 	Yes
 emergency operation mode 	Yes
 reversing operation 	Yes
 soft starting at heavy starting conditions 	Yes
Power Electronics	
operational current	
 at 40 °C rated value 	840 A
 at 40 °C rated value minimum 	168 A
• at 50 °C rated value	748 A
• at 60 °C rated value	670 A
operational current at inside-delta circuit	
● at 40 °C rated value	1 454 A
 at 50 °C rated value 	1 295 A
• at 60 °C rated value	1 160 A
operating voltage	
 rated value 	200 690 V
at inside-delta circuit rated value	200 600 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	250 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	450 kW
 at 400 V at 40 °C rated value 	450 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	800 kW
 at 500 V at 40 °C rated value 	560 kW
 at 500 V at inside-delta circuit at 40 °C rated value 	900 kW
• at 690 V at 40 °C rated value	800 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	
minimum load [%]	10 %; Relative to set le
newer less DAD for retail value of the surrout at AC	
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	252 W
 at 40 °C after startup at 50 °C after startup 	252 W 205 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup 	252 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % 	252 W 205 W 164 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup 	252 W 205 W 164 W 14 441 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 	252 W 205 W 164 W 14 441 W 12 187 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup 	252 W 205 W 164 W 14 441 W 12 187 W 10 405 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection 	252 W 205 W 164 W 14 441 W 12 187 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control	252 W 205 W 164 W 14 441 W 12 187 W 10 405 W Electronic, tripping in the event of thermal overload of the motor
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage	252 W 205 W 164 W 14 441 W 12 187 W 10 405 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control	252 W 205 W 164 W 14 441 W 12 187 W 10 405 W Electronic, tripping in the event of thermal overload of the motor

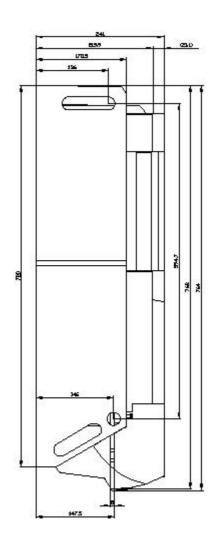
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply 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	100 mA
holding current in bypass operation rated value	210 mA
locked-rotor current at close of bypass contact maximum	1 A
inrush current peak at application of control supply voltage maximum	44 A
duration of inrush current peak at application of control supply voltage	1.7 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	4
parameterizable	4
number of inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
number of digital outputs	4
number of digital outputs parameterizable	3
number of digital outputs not parameterizable	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
• at AC-15 at 250 V rated value	3 A
 at DC-13 at 24 V rated value 	1A
Installation/ mounting/ dimensions	
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	764 mm
width	478 mm
depth	241 mm
required spacing with side-by-side mounting	
• forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
• at the side	5 mm
weight without packaging	45 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
for control circuit	spring-loaded terminals
width of connection bar maximum	55 mm
wire length for thermistor connection	
• with conductor cross-section = 0.5 mm ² maximum	50 m
 with conductor cross-section = 1.5 mm² maximum 	150 m
• with conductor cross-section = 2.5 mm ² maximum	250 m

type of connectable conductor cross-sections	
• for DIN cable lug for main contacts stranded 2x	(50 240 mm²)
	(70 240 mm ²)
type of connectable conductor cross-sections	
	(0.25 1.5 mm ²)
• for control circuit finely stranded with core end 2x processing	(0.25 1.5 mm ²)
	(24 16)
• at AWG cables for control circuit finely stranded with core end processing	(24 16)
wire length	
• between soft starter and motor maximum 800	0 m
• at the digital inputs at DC maximum 1 0	000 m
tightening torque	
	35 N·m
for auxiliary and control contacts with screw-type 0.8 terminals	3 1.2 N·m
tightening torque [lbf·in]	
51	7 310 lbf·in
5 51	10.3 lbf·in
terminals Ambient conditions	
	000 m; Derating as of 1000 m, see catalog
•	5 +60 °C; Please observe derating at temperatures of 40 °C or ove
) +80 °C
environmental category	
• •	6 (no ice formation, only occasional condensation), 3C3 (no salt
	st), 3S2 (sand must not get into the devices), 3M6
	6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must t get inside the devices), 1M4
	2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference acc	c. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard Yes	S
PROFINET high-feature Yes	S
• EtherNet/IP Yes	5
Modbus RTU Yes	
Modbus TCP Yes	s
	ns Is
PROFIBUS Yes	ns Is
UL/CSA ratings	ns Is
UL/CSA ratings manufacturer's article number	ns Is
UL/CSA ratings manufacturer's article number • of the fuse	is is is
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL	s s s pe: Class J / L, max. 2500 A; Iq = 42 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL	is is is
UL/CSA ratings manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V Type according to UL - usable for High Faults up to 575/600 V Type - usable for High Faults up to 575/600 V Type - usable for Standard Faults up to 575/600 V Type - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL Type	es es pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA pe: Class J / L, max. 2500 A; lq = 42 kA
UL/CSA ratings manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V Type according to UL - usable for High Faults up to 575/600 V Type - usable for High Faults up to 575/600 V Type - usable for Standard Faults up to 575/600 V Type - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL Type	s s s pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA
UL/CSA ratings manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V Typ according to UL - usable for High Faults up to 575/600 V Typ - usable for High Faults up to 575/600 V Typ according to UL - usable for Standard Faults at inside-delta Typ - usable for Standard Faults at inside-delta Typ - usable for High Faults at inside-delta Typ - usable for High Faults at inside-delta circuit up Typ	es es pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA pe: Class J / L, max. 2500 A; lq = 42 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL Type — usable for High Faults up to 575/600 V Type according to UL Type — usable for Standard Faults at inside-delta Type circuit up to 575/600 V according to UL Type — usable for High Faults at inside-delta circuit up Type circuit up to 575/600 V according to UL Type	es es pe: Class J / L, max. 2500 A; Iq = 42 kA pe: Class J / L, max. 2500 A; Iq = 100 kA pe: Class J / L, max. 2500 A; Iq = 42 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL Type — usable for High Faults up to 575/600 V Type according to UL Type — usable for Standard Faults at inside-delta Type circuit up to 575/600 V according to UL Type — usable for High Faults at inside-delta circuit up Type operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value 250	s s s pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA
UL/CSA ratings manufacturer's article number • of the fuse	s s s pe: Class J / L, max. 2500 A; Iq = 42 kA pe: Class J / L, max. 2500 A; Iq = 100 kA pe: Class J / L, max. 2500 A; Iq = 42 kA pe: Class J / L, max. 2500 A; Iq = 100 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL Type — usable for High Faults up to 575/600 V Type according to UL — usable for Standard Faults up to 575/600 V Type — usable for Standard Faults at inside-delta Type circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up Type _ usable for High Faults at inside-delta circuit up to 575/600 V according to UL Type _ usable for High Faults at inside-delta circuit up to 575/600 V according to UL Type _ operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value 2500 • at 220/230 V at 50 °C rated value 3000 • at 460/480 V at 50 °C rated value 6000	s s s pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA
UL/CSA ratings manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V Typ according to UL Typ - usable for High Faults up to 575/600 V Typ according to UL Typ - usable for High Faults up to 575/600 V Typ according to UL Typ - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL Typ - usable for High Faults at inside-delta circuit up to 575/600 V according to UL Typ - usable for High Faults at inside-delta circuit up to 575/600 V according to UL Typ - usable for High Faults at inside-delta circuit up to 575/600 V according to UL Typ - usable for High Faults at inside-delta circuit up to 575/600 V according to UL Typ - at 200/208 V at 50 °C rated value 250 • at 220/230 V at 50 °C rated value 300 • at 460/480 V at 50 °C rated value 600 • at 575/600 V at 50 °C rated value 800	ss ss ss pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA pe: Class J / L, max. 2500 A; lq = 42 kA pe: Class J / L, max. 2500 A; lq = 100 kA 0 hp 0 hp

value						
 at 460/480 V at value 	t inside-delta circuit at 5	50 °C rated	1 150	hp		
• at 575/600 V at inside-delta circuit at 50 °C rated		1.450 hp				
value		1 450 hp				
contact rating of auxiliary contacts according to UL			R300-B300			
Safety related data			-			
protection class IP	on the front acc. to IE	C 60529	IP00			
electromagnetic cor	npatibility		acc. to	DIEC 60947-4-2		
ATEX						
certificate of suitabi	lity					
 ATEX 			Yes			
• IECEx			Yes			
 according to AT 	FEX directive 2014/34/E	EU	BVS 1	18 ATEX F 003 X		
type of protection a 2014/34/EU	ccording to ATEX dire	ective		[Ex eb Gb] [Ex db Gb [Ex db Mb]	o] [Ex pxb Gb], II (2)D	[Ex tb Db] [Ex pxb Db],
hardware fault toler	ance acc. to IEC 6150	8 relating to	0			
	mand rate acc. to IEC	61508	0.008			
PFHD with high den to ATEX	nand rate acc. to EN 6	2061 relating	0.0000	0005 1/h		
Safety Integrity Leve to ATEX	el (SIL) acc. to IEC 61	508 relating	SIL1			
T1 value for proof te IEC 61508 relating te	est interval or service o ATEX	life acc. to	3 у			
Certificates/ approval	S					
						For you in boroud
General Product Ap	nrovol					For use in nazaro-
	provai				EMC	For use in hazard- ous locations
	prova				EMC	
æ	oproval				EMC	
(SP		ጫ		FAL	EMC	
\$₽		(h		EAC		
(SP)		(ال س		EAC		
(SP)		۹		EAC	EMC RGM	
(SP)		UL UL		EAC		
For use in hazard-	Cccc	UL UL	ates	ERE Marine / Shipping	EMC ECM	
(SP) Car	ccc	UL UL	ates	ERE Marine / Shipping	EMC RCM	ous locations
For use in hazard-	Cccc			ERE Marine / Shipping	EMC RCM	ous locations
For use in hazard-	Cccc	Type Test Cer	rtific-	ERC Marine / Shipping		ous locations
For use in hazard-	Cccc		rtific-	ERE Marine / Shipping	EMC ECM RCM	ous locations
For use in hazard-	Cccc	Type Test Cer	rtific-	EFFE Marine / Shipping	EMC RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity	Type Test Cer	rtific-	EFFE Marine / Shipping	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity	Type Test Cer	rtific-	ERE Marine / Shipping	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity	Type Test Cer	rtific-	EFFE Marine / Shipping	RCM	ous locations
For use in hazardous locations	Ccc Declaration of Conformity CCF EG-Konf.	<u>Type Test Cer</u> ates/Test Re	rtific- port	ERE Marine / Shipping	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity CCC EG-Konf.	<u>Type Test Cer</u> ates/Test Re	rtific- port	EFFE Marine / Shipping	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity CCC EG-Konf.	<u>Type Test Cer</u> ates/Test Re	rtific- port	ABS	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity CCC EG-Konf.	<u>Type Test Cer</u> ates/Test Re	rtific- port	ABS	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity CCC EG-Konf.	Type Test Cer ates/Test Re	r <u>tific-</u> port) t?mlfb=3	ABS 0	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conform	Type Test Cer ates/Test Re ogs, Brochures,. h/Catalog/product /CAXorder/defau Characteristics,	rtific- port) t?mlfb=3 lt.aspx?l FAQs,	RW55554-2HA16 ang=en&mlfb=3RW55	RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conform	Type Test Cer ates/Test Re ogs, Brochures,. h/Catalog/product /CAXorder/defau Characteristics, /en/ps/3RW5554- ension drawing:	r <u>tific-</u> port) t?mlfb=3 llt.aspx?l FAQs, - <u>2HA16</u> s, 3D mo	RW5554-2HA16 ang=en&mlfb=3RW55)	ECM	ous locations
For use in hazard- ous locations	Declaration of Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conform	Type Test Cer ates/Test Re ogs, Brochures,. h/Catalog/product /CAXorder/defau Characteristics, /en/ps/3RW5554- ension drawing: cax_de.aspx?mlf	rtific- port) t?mlfb=3 It.aspx?l FAQs, -2HA16 s, 3D mo b=3RW5	RW5554-2HA16 ang=en&mlfb=3RW55)	ECM	ous locations
For use in hazard- ous locations	Declaration of Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conform	Type Test Cer ates/Test Re ogs, Brochures,. h/Catalog/product /CAXorder/defau Characteristics, /en/ps/3RW5554- ension drawing: cax_de.aspx?mlff ² t, Let-through c	rtific- port) t?mlfb=3 lt.aspx?l FAQs, -2HA16 s, 3D mo b=3RW5 current	RW5554-2HA16 ang=en&mlfb=3RW55) odels, device circuit	ECM	ous locations
For use in hazard- ous locations For use in hazard- ous locations Further information Information- and Do https://www.siemens. Industry Mall (Onlin https://mall.industry.s Cax online generato http://support.automa Service&Support (M https://support.indust Image database (pro http://www.automatio Characteristic: Tripp https://support.indust	Declaration of Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conformity Conform	Type Test Cer ates/Test Re ogs, Brochures,. h/Catalog/product /CAXorder/defau Characteristics, /en/ps/3RW5554- ension drawing: cax_de.aspx?mlf ² t, Let-through c /en/ps/3RW5554-	rtific- port) t?mlfb=3 it.aspx?l FAQs, -2HA16 s, 3D mo b=3RW5 current -2HA16/	RW5554-2HA16 ang=en&mlfb=3RW55) odels, device circuit 5554-2HA16⟨=en char	ECM	ous locations

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5554-2HA16&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917







last modified:

3/9/2021 🖸