SIEMENS

Data sheet

3RW5075-2AB15



SIRIUS soft starter 200-600 V 370 A, 110-250 V AC Spring-loaded terminals Analog output

Figure	similar
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product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW50
manufacturer's article number	
 of standard HMI module usable 	<u>3RW5980-0HS01</u>
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</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 	3VA2580-6HN32-0AA0; Type of assignment 1, lq = 65 kA
 of circuit breaker usable at 500 V 	3VA2580-6HN32-0AA0; Type of assignment 1, Iq = 65 kA
 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>3NE1 334-2; Type of coordination 2, Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3 336: Type of coordination 2. lq = 65 kA</u>
 of line contactor usable up to 480 V 	<u>3RT1075</u>
 of line contactor usable up to 690 V 	<u>3RT1075</u>
Seneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 20 s
ramp-down time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
accuracy class acc. to IEC 61557-12	5 %
certificate of suitability	
• CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component is supported	
HMI-Standard	Yes
HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	2

trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	
for main current circuit	100 ms
for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	23.09.2019 00:00:00
product function	20.00.2010 00.00.00
• ramp-up (soft starting)	Yes
 ramp-down (soft stop) 	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Electronic motor overload protection
evaluation of thermistor motor protection	No
auto-RESET	Yes
manual RESET	Yes
remote reset	Yes; By turning off the control supply voltage
communication function	Yes
operating measured value display	Yes; Only in conjunction with special accessories
error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
via software configurable	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication
	module
 voltage ramp 	Yes
torque control	No
 analog output 	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
Power Electronics	
operational current	
• at 40 °C rated value	370 A
• at 50 °C rated value	328 A
• at 60 °C rated value	300 A
operating voltage	
rated value	200 600 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	110 kW
 at 400 V at 40 °C rated value 	200 kW
• at 500 V at 40 °C rated value	250 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
 at rotary coding switch on switch position 1 	160 A
 at rotary coding switch on switch position 2 	174 A

 at rotary coding switch on switch position 3 	188 A
 at rotary coding switch on switch position 4 	202 A
 at rotary coding switch on switch position 5 	216 A
 at rotary coding switch on switch position 6 	230 A
 at rotary coding switch on switch position 7 	244 A
 at rotary coding switch on switch position 8 	258 A
 at rotary coding switch on switch position 9 	272 A
 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 	286 A
 at rotary coding switch on switch position 11 	300 A
at rotary coding switch on switch position 12	314 A
at rotary coding switch on switch position 13	328 A
 at rotary coding switch on switch position 14 	342 A
 at rotary coding switch on switch position 15 	356 A
 at rotary coding switch on switch position 16 	370 A
• minimum	160 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
 at 40 °C after startup 	36 W
 at 50 °C after startup 	29 W
• at 60 °C after startup	24 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	3 726 W
 at 50 °C during startup 	3 124 W
 at 60 °C during startup 	2 748 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
	-15 % -10 %
voltage at AC at 50 Hz relative positive tolerance of the control supply	
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply	10 %
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number of englage sufficients	-
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	1 A
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	230 mm
width	160 mm
depth	282 mm
required spacing with side-by-side mounting	
 forwards 	10 mm
backwards	0 mm
• upwards	100 mm
 downwards 	75 mm
• at the side	5 mm
weight without packaging	7.3 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
for control circuit	spring-loaded terminals
width of connection bar maximum	45 mm
type of connectable conductor cross-sections	43 1111
for main contacts for box terminal using the front clamping point solid	95 300 mm²
 for main contacts for box terminal using the front clamping point finely stranded with core end processing 	70 240 mm²
 for main contacts for box terminal using the front clamping point finely stranded without core end processing 	70 240 mm²
 for main contacts for box terminal using the front clamping point stranded 	95 300 mm²
 at AWG cables for main contacts for box terminal using the front clamping point 	3/0 600 kcmil
• for main contacts for box terminal using the back clamping point solid	120 240 mm ²
at AWG cables for main contacts for box terminal using the back clamping point	250 500 kcmil
 for main contacts for box terminal using both clamping points solid 	min. 2x 70 mm², max. 2x 240 mm²
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	min. 2x 50 mm², max. 2x 185 mm²
 for main contacts for box terminal using both clamping points finely stranded without core end processing 	min. 2x 50 mm², max. 2x 185 mm²
 for main contacts for box terminal using both clamping points stranded 	min. 2x 70 mm², max. 2x 240 mm²
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	120 185 mm²
 for main contacts for box terminal using the back clamping point finely stranded without core end processing 	120 185 mm²
 for main contacts for box terminal using the back clamping point stranded 	120 240 mm²
type of connectable conductor cross-sections	
at AWG cables for main current circuit solid	2/0 500 kcmil
 for DIN cable lug for main contacts stranded 	50 240 mm²
 for DIN cable lug for main contacts finely stranded 	70 240 mm²

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• between soft starter and motor maximum 800 m • at the digital inputs at AC maximum 1 000 m • for main contacts with screw-type terminals 1 4 24 N m • for main contacts with screw-type terminals 0.8 12 N m • for main contacts with screw-type terminals 124 210 Ibf in • for main contacts with screw-type terminals 124 210 Ibf in • for main contacts with screw-type terminals 124 210 Ibf in • for main contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see manual ambient conditions 5 000 m; Derating as of 1000 m, see manual • during storage and transport -40 +80 °C; Please observe derating at temperatures of 40 °C or above • during storage act, to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no sait miss), 352 (sand must not get inside the devices), 3M6 • during storage acc, to IEC 60721 2K2, 2C1, 2S1, 2M2, Was, Math Star (2 (no sait miss), 1S2 (sand must not get inside the devices), 3M6 • during storage acc, to IEC 60721 2K6, (no loc casional condensation), 4C2 (no sait miss), 1S2 (sand must not get inside the devices), 3M6 • during storage acc, to IEC 60721 2K6, 2C1, 2S1, 2M2, Was, Math Star (2 (no sait miss), 1S2 (sand must not get inside the devices), 3M6 • during storage acc, to IEC 60721 2K6, 2C1, 2S1, 2M2, Was, Math Star (2 (no sait miss), 1S2 (sand must not get inside the devices), 3M6 • during storage acc, to IEC 60721		
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tightening torque • for main contacts with screw-type terminals • for main contacts with screw-type • for main control contacts with screw-type • for for generation and the control contacts with screw-type • for for generation and the control contacts with screw-type • during storage act to IEC 60721 • during storage act to IEC 60721 • during storage act to IEC 60721 • during transport act to IEC 60721 • elfor (for for cocol communication for for cocol communication for for cocol communication for for cocol control for for cocol <tr< td=""><td></td><td></td></tr<>		
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terminals 1 tightening torque [lbf/in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals 7 10.3 lbf/in Ambient conditions 5 000 m; Derating as of 1000 m, see manual Installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see manual ambient temperature -25+60 °C; Please observe derating at temperatures of 40 °C or above • during operation acc. to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt miss), 3S2 (and must not get into the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) • during transport acc. to IEC 60721 2K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get incide the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) EBMCHNUP Yes • Communication module is supported Yes • PROFINET standard Yes • Information on theight above to 575/600 V accounding to U Type: Class L, max. 1200 A; Iq = 18 KA ord the fuse		
• for main contacts with screw-type terminals 124 210 bF in • for auxiliary and control contacts with screw-type terminals 7 10.3 lbF in Ambient conditions 5.000 m; Derating as of 1000 m; see manual installation altitude at height above sea level maximum 5.000 m; Derating as of 1000 m; see manual ambient temperature -40 +80 °C • during operation acc. to IEC 60721 -40 +80 °C • during storage acc. to IEC 60721 3K6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 3S2 (and must not get inito the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • EBRCHNEIP Yes • Communication module is supported Yes • PROFIBUS Yes • Modobus RTU Yes • able for Standard Faults up to 575/600 V according to UL Type: Class L, max. 1200 A; Iq = 18 kA • according to UL	5	0.0 1.2 10111
• for main contacts with screw-type terminals 124 210 bF in • for auxiliary and control contacts with screw-type terminals 7 10.3 lbF in Ambient conditions 5.000 m; Derating as of 1000 m; see manual installation altitude at height above sea level maximum 5.000 m; Derating as of 1000 m; see manual ambient temperature -40 +80 °C • during operation acc. to IEC 60721 -40 +80 °C • during storage acc. to IEC 60721 3K6 (no lee formation, only occasional condensation), 3C3 (no salt mist), 3S2 (and must not get inito the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • EBRCHNEIP Yes • Communication module is supported Yes • PROFIBUS Yes • Modobus RTU Yes • able for Standard Faults up to 575/600 V according to UL Type: Class L, max. 1200 A; Iq = 18 kA • according to UL	tightening torque [lbf·in]	
		124 210 lbf·in
Ambient conditions installation allitude at height above sea level maximum ambient temperature • during storage and transport • during operation • during storage and transport • during operation • during operation acc. to IEC 60721 • during transport acc. to IEC 60721 • EMC emitted Interference • according to UL • DERNEWIP • Modbus RTU • PROFINET standard • eff the fuse • usable for Standard Faults up to 575/600 V according to UL • according to UL • at 200/200 V at 50 °C rated value • at 200/200 V at 50 °C rated value • at 200/200 V at 50 °C rated value • at 200/200 V at 50 °C rated value	 for auxiliary and control contacts with screw-type 	7 10.3 lbf·in
Installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see manual ambient temperature -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during operation acc. to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 352 (sand must not get into the devices), 3M6 • during transport acc. to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 352 (sand must not get into the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • Communication module is supported Yes • DROFINET standard Yes • EtherNet/IP Yes • Modous RTU Yes • ROFINET standard Yes • IbterNet/IP Yes • RopFIBUS Yes ULCSA ratings Type: Class L, max. 1200 A; lq = 18 kA according to U.	terminals	
amblent temperature -25+60 °C; Please observe derating at temperatures of 40 °C or above • during storage and transport -40+80 °C; • environmental category -40+80 °C • during storage and transport -40+80 °C • during transport acc. to IEC 60721 2K8 (no loce formation, only occasional condensation), 3C3 (no salt mist), 1S2 (sand must not get inside the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) acc to IEC 60721 Yes • RCPINET standard Yes • Modobus TCP Yes • Manufacturer's article number • of the fuse	Ambient conditions	
during operation during storage and transport during storage and transport during operation acc. to IEC 60721 during storage acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. to IEC 60729 during transport acc. to IEC 60750 during transport acc. to IEC 60750 during transport acc. to IEC 60750 during transport acc. to IEC 60752 during transport accc. to IEC 60752 during transport acc. to IEC 60752 during	installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see manual
above -40 +80 °C environmental category -40 +80 °C • during operation acc. to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), 3M6 • during storage acc. to IEC 60721 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) acc. to IEC 60947-4-2; Class A Communication module is supported • PROFINET standard Yes • Modbus RTU Yes • Modbus RTD Yes • Modbus RTD Yes • Of the fuse Yes • JULCSA ratings Type: Class L, max. 1200 A; lq = 18 kA manufacturer's article number 100 hp • at 200/208 V at 50 °C rated value 125 hp • at 200/208 V at 50 °C rated value 125 hp • at 400/480 V at 50 °C rated value 250 hp • at 450/680 V at 50 °C rated value 250 hp • at 450/680 V at 50 °C rated value 250 hp • at 450/680 V at 50 °C rated value 250 hp • at 650 Vat 50 °C rated value 250 hp • at 650 Vat 50 °C rated value 250 hp • at 650 Vat 50 °C rated value <t< td=""><td>ambient temperature</td><td></td></t<>	ambient temperature	
• during storage and transport -40 +80 °C environmental category 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 • during storage acc. 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 acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) • during transport acc. 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 module is supported Yes • ROFINET standard Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes ULCSA ratings Type: Class L, max. 1200 A; lq = 18 kA according to UL Type: Class L, max. 1200 A; lq = 10 kA usable for Standard Faults up to 575/600 V according to UL Type: Class L, max. 1200 A; lq = 10 kA usable for Standard Faults up to 575/600 V according to UL Type: Class L, max. 1200 A; lq = 10 kA • at 200/208 V at 50 °C rated value 100 hp • at 200/208 V at 50 °C rated value 250 hp • at 460/480 V at 50 °C rated value 250 hp • at 460/480 V at 50 °C rated value 250 hp • at 460/480 V at 50 °C rated value 250 hp • at	 during operation 	
environmental category during operation acc. to IEC 60721 during storage acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. 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 acc. to IEC 60721 during transport acc. to IEC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 during transport acc. to EC 60721 else for flandard Faults up to 575/600 V according to UL usable for Figh Faults up to 575/600 V act 200/208 V at 50 °C rated value<	a during atomaga and transport	
during operation acc. to IEC 60721 during storage acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. to IEC 60721 during transport acc. to IEC 60721 EMC emitted interference decimation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get initio the devices), 3M6 Aution of the fuse devices, 1M4 ZK2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) ZK2, 2C1, 2S1, 2M2 (max. fail height 0		-40 +80 °C
• during storage acc. to IEC 60721 1K6 (only accasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • during transport acc. 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 Communication module is supported • PROFINET standard Yes • Modbus RTU Yes • PROFIBUS Yes UL/CSA ratings Type: Class L, max. 1200 A; lq = 18 kA - usable for High Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V Type: Class L, max. 1200 A; lq = 100 kA according to UL Type: Class L, max. 1200 A; lq = 100 kA according to UL Type: Class L, max. 1200 A; lq = 100 kA according to UL 100 hp • at 200/208 V at 50 °C rated value 100 hp • at 200/208 V at 50 °C rated value 250 hp • at 575/600 V at 50 °C rated value 300 hp Safety related data IP00; IP20 with cover protection or the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX		
• during storage acc. to IEC 60721 1K6 (only occasional contensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (Wax. fall height 0.3 m) EMC emitted interference acc. to IEC 60947-4-2; Class A Communication/ Protocol etherNet/IP • PROFINET standard Yes • Modbus RTU Yes • Modbus RTU Yes • Modbus RTU Yes • DerNFIBUS Yes UL/CSA ratings Yes manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V according to UL operating power [hp] f	• during operation acc. to IEC 60721	
• during transport acc. 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 communication module is supported • PROFINET standard Yes • Modbus RTU Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes ///CSA ratings manufacturer's article number • of the fuse - usable for Standard Faults up to 575/600 V according to UL - usable for Standard Faults up to 575/600 V Type: Class L, max. 1200 A; Iq = 18 kA coording to UL Type: Class L, max. 1200 A; Iq = 100 kA • at 200/208 V at 50 °C rated value 100 hp • at 200/208 V at 50 °C rated value 100 hp • at 200/208 V at 50 °C rated value 250 hp • at 250 /PO vit 50 °C rated value 300 hp Safety rolated data IPO0; IP20 with cover protection on the front acc. to IEC 60529 Iper-safe, for vertical contact from the front with cover fuer ATEX PEDarg with low demand rate acc. to IEC 61508 0.09	 during storage acc. to IEC 60721 	
EMC emitted interference acc. to IEC 60947-4-2: Class A Communication / Protocol communication module is supported • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes UL/CSA ratings Yes manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V Type: Class L, max. 1200 A; Iq = 18 kA according to UL - usable for High Faults up to 575/600 V Type: Class L, max. 1200 A; Iq = 100 kA operating power [hp] for 3-phase motors 0 hp 100 hp • at 200/208 V at 50 °C rated value 100 hp 125 hp • at 460/480 V at 50 °C rated value 250 hp 300 hp • at 460/480 V at 50 °C rated value 300 hp 300 hp Safety related data IPO0; IP20 with cover Inger-safe, for vertical contact from the front with cover retrificate of suitability Yes Yes IECEx • IECEx Yes Yes Yes • IECEx Yes Yes Yes <t< td=""><td></td><td></td></t<>		
Communication/ Protocol communication module is supported • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes UL/CSA ratings Yes manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V Type: Class L, max. 1200 A; Iq = 18 kA according to UL - usable for High Faults up to 575/600 V Type: Class L, max. 1200 A; Iq = 100 kA operating power (hp] for 3-phase motors 0 100 hp • at 200/280 V at 50 °C rated value 100 hp 125 hp • at 400/480 V at 50 °C rated value 250 hp 300 hp Safety related data Protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover protection class IP on the front acc. to IEC 60529 Ip00; IP20 with cover finger-safe, for vertical contact from the front with cover ATEX Yes Yes Yes Yes • IECEx Yes Yes Yes • IECEx Yes Yes Yes Yes • IECEx Yes Yes Yes	 during transport acc. to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
communication module is supported Yes • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes UL/CSA ratings Yes manufacturer's article number • of the fuse	EMC emitted interference	acc. to IEC 60947-4-2: Class A
PROFINET standard Yes EtherNet/IP Yes Modbus RTU Yes Modbus TCP Yes PROFIBUS Yes UL/CSA ratings Tu of the fuse	Communication/ Protocol	
• EtherNet/IP Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes UL/CSA ratings Yes manufacturer's article number of the fuse - usable for Standard Faults up to 575/600 V according to UL Type: Class L, max. 1200 A; Iq = 18 kA - usable for High Faults up to 575/600 V according to UL Type: Class L, max. 1200 A; Iq = 100 kA operating power [hg] for 3-phase motors • • at 200/208 V at 50 °C rated value 100 hp • at 200/208 V at 50 °C rated value 250 hp • at 460/480 V at 50 °C rated value 250 hp • at 575/600 V at 50 °C rated value 300 hp Safety related data IP00; IP20 with cover protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX Yes • IECEx Yes • IECEx Yes • IECEx Yes • IECEx Yes • ATEX Yes • PFDavg with low demand rate acc. to IEC 61508 0.09	communication module is supported	
Modbus RTU Yes Modbus TCP Yes PROFIBUS Yes VucSA ratings manufacturer's article number of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 220/208 V at 50 °C rated value 100 hp at 220/208 V at 50 °C rated value 250 hp at 575/600 V at 50 °C rated value 250 hp at 575/600 V at 50 °C rated value 300 hp Safety related data protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover finger-safe, for vertical contact from the front with cover ATEX Yes ATEX Yes ATEX Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 0.09	PROFINET standard	Yes
Modbus TCP PROFIBUS Yes UL/CSA ratings manufacturer's article number of the fuse	EtherNet/IP	Yes
• PROFIBUS Yes UL/CSA ratings manufacturer's article number • of the fuse	Modbus RTU	Yes
UL/CSA ratings manufacturer's article number • of the fuse	Modbus TCP	Yes
UL/CSA ratings manufacturer's article number • of the fuse	PROFIBUS	Yes
manufacturer's article number • of the fuse usable for Standard Faults up to 575/600 V Type: Class L, max. 1200 A; lq = 18 kA usable for High Faults up to 575/600 V Type: Class L, max. 1200 A; lq = 100 kA according to UL usable for High Faults up to 575/600 V Type: Class L, max. 1200 A; lq = 100 kA operating power [hp] for 3-phase motors 100 hp 125 hp • at 200/208 V at 50 °C rated value 100 hp • at 220/230 V at 50 °C rated value 250 hp • at 460/480 V at 50 °C rated value 250 hp • at 575/600 V at 50 °C rated value 300 hp Safety related data IP00; IP20 with cover protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX Yes • IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX Yes PFDavg with low demand rate acc. to IEC 61508 0.09		
• of the fuse Type: Class L, max. 1200 A; lq = 18 kA		
	• of the fuse	
according to UL usable for High Faults up to 575/600 V Type: Class L, max. 1200 A; lq = 100 kA operating power [hp] for 3-phase motors 100 hp • at 200/208 V at 50 °C rated value 100 hp • at 220/230 V at 50 °C rated value 125 hp • at 460/480 V at 50 °C rated value 250 hp • at 575/600 V at 50 °C rated value 300 hp Safety related data		Type: Class L, max, 1200 A; lg = 18 kA
according to UL according to UL operating power [hp] for 3-phase motors 100 hp • at 200/208 V at 50 °C rated value 100 hp • at 220/230 V at 50 °C rated value 125 hp • at 460/480 V at 50 °C rated value 250 hp • at 575/600 V at 50 °C rated value 300 hp Safety related data IP00; IP20 with cover protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX Yes • IECEx Yes • hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		· , , ,
operating power [hp] for 3-phase motors 100 hp • at 200/208 V at 50 °C rated value 100 hp • at 220/230 V at 50 °C rated value 125 hp • at 460/480 V at 50 °C rated value 250 hp • at 460/480 V at 50 °C rated value 250 hp • at 575/600 V at 50 °C rated value 300 hp Safety related data 1P00; IP20 with cover protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX Ves • IECEx Yes • hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		Type: Class L, max. 1200 A; Iq = 100 kA
• at 200/208 V at 50 °C rated value 100 hp • at 220/230 V at 50 °C rated value 125 hp • at 460/480 V at 50 °C rated value 250 hp • at 575/600 V at 50 °C rated value 300 hp Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX Yes • ATEX Yes • IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		
 at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value 300 hp Safety related data protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover finger-safe, for vertical contact from the front with cover ATEX ATEX Yes IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 0.09 		100 hr
 at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value 300 hp Safety related data protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover finger-safe, for vertical contact from the front with cover ATEX ATEX Yes IECEx Yes ATEX Yes ATEX Yes O ATEX O PFDavg with low demand rate acc. to IEC 61508 0.09 		
• at 575/600 V at 50 °C rated value 300 hp Safety related data		
Safety related data protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX Certificate of suitability • ATEX • ATEX Yes • IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		
protection class IP on the front acc. to IEC 60529 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX certificate of suitability ATEX IECEx Yes IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		300 np
touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX certificate of suitability • ATEX Yes Yes • IECEx Yes Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		
ATEX certificate of suitability • ATEX • IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508		
certificate of suitability Yes • ATEX Yes • IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		finger-safe, for vertical contact from the front with cover
ATEX Yes iECEx Yes iECEx 0 hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 0.09		
• IECEx Yes hardware fault tolerance acc. to IEC 61508 relating to ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09	-	
hardware fault tolerance acc. to IEC 61508 relating to 0 ATEX 0 PFDavg with low demand rate acc. to IEC 61508 0.09		
ATEX PFDavg with low demand rate acc. to IEC 61508 0.09		Yes
	ATEX	
		0.09

to ATEX	nand rate acc. to EN 6	62061 relating 0.0	000009 1/h		
Safety Integrity Levent to ATEX	el (SIL) acc. to IEC 61	508 relating SI	_1		
T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX		life acc. to 3 y	3 у		
ertificates/ approval	s				
General Product Ap	oproval			For use in hazardo	us locations
(SP)		(h)	EAC	K ATEX	IECEx
Declaration of Conf	formity	Test Certificates	other		
C C EG-Konf.	<u>Miscellaneous</u>	Type Test Certific- ates/Test Report	Confirmation		

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5075-2AB15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5075-2AB15

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW5075-2AB15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5075-2AB15&lang=en

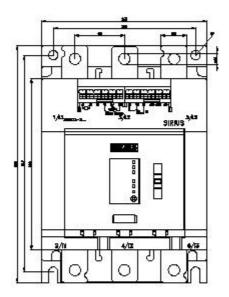
Characteristic: Tripping characteristics, I²t, Let-through current

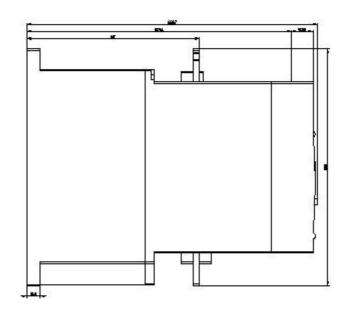
https://support.industry.siemens.com/cs/ww/en/ps/3RW5075-2AB15/char

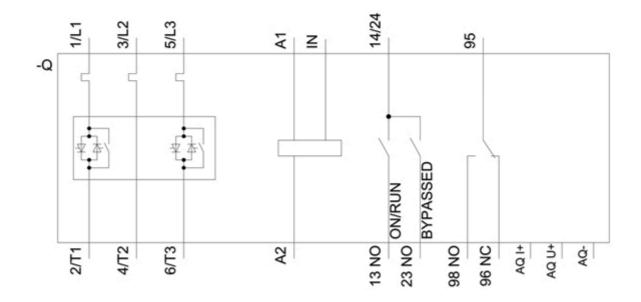
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5075-2AB15&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917







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