SIEMENS

Data sheet 3RW5235-2AC15



SIRIUS soft starter 200-600 V 143 A, 110-250 V AC spring-type terminals Analog output

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
 of standard HMI module usable 	3RW5980-0HS00
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFIBUS usable 	3RW5980-0CP00
 of communication module Modbus TCP usable 	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3244-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3244-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1227-0: Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3334-0B; Type of coordination 2, Iq = 65 kA
Seneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
• is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	
for main current circuit	100 ms

for control story 9	400
• 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	1 800 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
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	
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
inside-delta circuit	Yes
auto-RESET	Yes
	Yes
manual RESET remete recet	
• remote reset	Yes; By turning off the control supply voltage
communication function	Yes
operating measured value display	Yes; Only in conjunction with special accessories
error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
 via software configurable 	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
 removable terminal for control circuit 	Yes
 torque control 	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
Power Electronics	
operational current	
 at 40 °C rated value 	143 A
• at 50 °C rated value	128 A
• at 60 °C rated value	118 A
operational current at inside-delta circuit	
at 40 °C rated value	248 A
• at 50 °C rated value	222 A
at 60 °C rated value	204 A
operating voltage	
• rated value	200 600 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	37 kW
operating power for 3-phase motors • at 230 V at 40 °C rated value	37 kW
operating power for 3-phase motors	37 kW 75 kW 75 kW

at 400 V at incide delta circuit at 40 °C reted value	132 kW
• at 400 V at inside-delta circuit at 40 °C rated value	172.111
• at 500 V at 40 °C rated value	90 kW
at 500 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value	160 kW 50 Hz
Operating frequency 1 rated value Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	10 70
at rotary coding switch on switch position 1	68 A
at rotary coding switch on switch position 2	73 A
at rotary coding switch on switch position 3	78 A
at rotary coding switch on switch position 4	83 A
 at rotary coding switch on switch position 5 	88 A
 at rotary coding switch on switch position 6 	93 A
 at rotary coding switch on switch position 7 	98 A
at rotary coding switch on switch position 8	103 A
at rotary coding switch on switch position 9	108 A
• at rotary coding switch on switch position 10	113 A
at rotary coding switch on switch position 11	118 A
 at rotary coding switch on switch position 12 	123 A
 at rotary coding switch on switch position 13 	128 A
 at rotary coding switch on switch position 14 	133 A
 at rotary coding switch on switch position 15 	138 A
 at rotary coding switch on switch position 16 	143 A
• minimum	68 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	118 A
 for inside-delta circuit at rotary coding switch on switch position 2 	126 A
 for inside-delta circuit at rotary coding switch on switch position 3 	135 A
 for inside-delta circuit at rotary coding switch on switch position 4 	144 A
 for inside-delta circuit at rotary coding switch on switch position 5 	152 A
 for inside-delta circuit at rotary coding switch on switch position 6 	161 A
 for inside-delta circuit at rotary coding switch on switch position 7 	170 A
 for inside-delta circuit at rotary coding switch on switch position 8 	178 A
 for inside-delta circuit at rotary coding switch on switch position 9 	187 A
 for inside-delta circuit at rotary coding switch on switch position 10 	196 A
for inside-delta circuit at rotary coding switch on switch position 11	204 A
for inside-delta circuit at rotary coding switch on switch position 12	213 A
for inside-delta circuit at rotary coding switch on switch position 13 for inside delta circuit at rotary coding switch on	222 A
for inside-delta circuit at rotary coding switch on switch position 14	230 A
for inside-delta circuit at rotary coding switch on switch position 15	239 A
for inside-delta circuit at rotary coding switch on switch position 16 A limited by the circuit reliables are coding switch on switch position.	248 A
at inside-delta circuit minimum	118 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	55 W
 at 40 °C after startup at 50 °C after startup 	55 W 50 W
at 50 C after startup at 60 °C after startup	50 W 47 W
■ at ou C after startup	47 VV

power loss [W] at AC at current limitation 350 %	
 at 40 °C during startup 	2 127 W
 at 50 °C during startup 	1 807 W
at 60 °C during startup	1 605 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
● at 50 Hz	110 250 V
● at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	75 mA
locked-rotor current at close of bypass contact maximum	2.5 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
 at AC-15 at 250 V rated value 	3 A
at AC-15 at 250 V rated valueat DC-13 at 24 V rated value	3 A 1 A
• at DC-13 at 24 V rated value	
• at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
 at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards 	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards downwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
 at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side 	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg
at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg

sype of connectable conductor cross-sections • for DN cable lay for main contacts finely stranded • for Control circuit solid • at AWC cables for control circuit finely stranded with core and processing wife length • between soft stater and motor maximum • at the digital inputs at AC maximum 10ptening torque • for man contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary		
• for CINIC cable Leg for main contacts finely stranded by per of connectable conductor cross-sections • for control circuit solid • at ANCI cables for control corruit finely stranded with one and processing • for sell processing • for sell processing • for auxiliary and control corruit solid	type of connectable conductor cross-sections	
Sype of connectable conductor cross-sections	 for DIN cable lug for main contacts stranded 	2x (16 95 mm²)
• for centrol circuit solid • for centrol circuit solid • for centrol circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit finely stranded with core end processing wire length • between soft starter and motor maximum • of the digital inputs at AC maximum 100 m 100 m 100 m 101 m 100 m 100 m 101 m 100 m 101 m 100 m 101 m 101 m 101 m 101 m 101 m 100 m 101 m	for DIN cable lug for main contacts finely stranded	2x (25 120 mm²)
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• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control on according to UL • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL • usable for Standard Faults at 575/600 V according to UL • usable for Standard Faults at 575/600 V according to UL • usable for Standard Faults at 575/600 V according to UL • usable for Standard Faults at 575/600 V according to UL • usable for Standard Faults at 575/600 V according to UL • usa	 at the digital inputs at AC maximum 	100 m
• for auxiliary and control contacts with screw-type terminals tightening torque [ibf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals **T	tightening torque	
tightening torque [libf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • Ref (enit ted interference Communication Protocol Communication Protocol Communication module is supported • PROFINET standard • Ether-Net/IP • Modbus RTU • Modbus RTU • Modbus RTU • Wes • PROFIBUS Tyes Manufacturer's article number • of circuit breaker • of ci	 for main contacts with screw-type terminals 	10 14 N·m
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• for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage and transport • during storage according to IEC 60721 • PROFINET standard • profit edvices), Mile 40 (according to IEC 60721 • Yes • profit edvices, IMC (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall height 0.3 m) • ZEC, 251, 2MZ (max. fall he		
Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during operation • during storage and transport • during storage and transport • during storage according to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 EMC emitted interference Communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Stemens type: 3VA52, max. 250 A; Iq = 10 kA according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 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 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 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 at inside-delta — usable for Standard Faults at inside-delta — usable for Standard Faults at		
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installation altitude at height above sea level maximum ambient temperature during operation during storage and transport during operation according to IEC 60721 during storage according to IEC 60721 during storage according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 during transport according to IEC 60721 EMC emitted interference communication Protocol communication module is supported PROFINET standard EitherNet/IP Modbus RTU Modbus RTU Modbus RTU Seable for Standard Faults at 460/480 V according to UL Jusable for High Faults at 460/480 V at inside-delta circuit according to UL Jusable for Standard Faults at 450/480 V at inside-delta circuit according to UL Jusable for Standard Faults at 575/600 V according to UL Jusable for Standard Faults up to 575/600 V according to UL Jusable for Standard Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for Standard Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for Standard Faults up to 575/600 V according to UL Jusable for High Faults up to 575/600 V according to UL Jusable for Standard Faults up to 575/600 V according to UL Jusable for Standard Faults up to 575/600 V according to UL Jusable for Standard Faults up to 575/600 V according to UL Jusable for Standard Faults at inside-delta Type: Class RK5 / K5, max. 350 A; Iq = 10 KA		
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oduring storage and transport environmental category oduring operation according to IEC 60721 oduring storage according to IEC 60721 oduring storage according to IEC 60721 oduring transport according to IEC 60721 EMC emitted interference Communication Module is supported oduring transport according to IEC 60721 EMC emitted interference Communication module is supported oduring transport according to IEC 60721 Communication module is supported oduring transport according to IEC 60721 Communication module is supported oduring transport according to IEC 60721 Communication module is supported oduring transport according to IEC 60721 Communication module is supported oduring transport according to IEC 60721 Communication module is supported PROFINET standard Faults at 460/480 V according to IEC 60947-4-2: Class A Ves Yes Ves UL/CSA ratings manufacturer's article number of circuit breaker Ousable for Standard Faults at 460/480 V at insidedelta circuit according to UL Ousable for Standard Faults at 460/480 V at insidedelta circuit according to UL Ousable for Standard Faults at 575/600 V according to UL Ousable for Standard Faults at 575/600 V according to UL Ousable for Standard Faults at 575/600 V according to UL Ousable for Standard Faults up to 575/600 V according to UL Ousable for Standard Faults up to 575/600 V according to UL Ousable for Standard Faults at 575/600 V according to UL Ousable for Standard Faults at 575/600 V according to UL Ousable for Standard Faults at 575/600 V according to UL Ousable for Standard Faults at 575/600 V according to UL Ousable for High Faults at 460/48	•	05 +00 00 Pl
environmental category • during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 EMC emitted interference acc. to IEC 60947-4-2: Class A Communication module is supported • PROFINET standard • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 575/600 V according to UL • of the fuse — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults 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 at inside-delta Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	during operation	
environmental category • during operation according to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 EMC emitted interference communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • PROFIBUS DL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Figh Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V 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 — 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 at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit a	during storage and transport	
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mist), 3S2 (sand must not get into the devices), 3M6 • during storage according to IEC 60721 • during transport according to IEC 60721 EMC emitted interference communication/Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 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 — 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 — usable for Standard Faults at inside-delta Type: Class RK5 / K5, max. 350 A; lq = 10 kA		3K6 (no ice formation, only occasional condensation), 3C3 (no salt
ont get inside the devices), 1M4 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 • PROFINET standard • PROFINET stan	adming operation absorbing to 120 cor21	
during transport according to IEC 60721 EMC emitted interference acc. to IEC 60947-4-2: Class A Communication/ Protocol Communication module is supported PROFINET standard Yes Modbus RTU Modbus RTU PROFIBUS PROFIBUS Wes PROFIBUS Wes PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL 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 — 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 — usable for Standard Faults up to 575/600 V according to UL	 during storage according to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must
EMC emitted interference communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL • of the fuse — usable for Standard Faults up to 575/600 V according to UL		not get inside the devices), 1M4
communication / Protocol communication module is supported • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET standard • Protocol • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS Tyes • PROFIBUS TUL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL • 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 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 at inside-delta Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
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Modbus RTU Modbus TCP PROFIBUS Tyes PROFIBUS Manufacturer's article number Of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults 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 — 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 at inside-delta Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	 PROFINET standard 	Yes
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	usable for Standard Faults at inside-delta	Type: Class RK5 / K5, max. 350 A; Iq = 10 kA

 usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 350 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
 at 200/208 V at 50 °C rated value 	40 hp
 at 220/230 V at 50 °C rated value 	40 hp
 at 460/480 V at 50 °C rated value 	100 hp
 at 575/600 V at 50 °C rated value 	125 hp
 at 200/208 V at inside-delta circuit at 50 °C rated value 	75 hp
 at 220/230 V at inside-delta circuit at 50 °C rated value 	75 hp
 at 460/480 V at inside-delta circuit at 50 °C rated value 	150 hp
 at 575/600 V at inside-delta circuit at 50 °C rated value 	200 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front according to IEC 60529	IP00; IP20 with cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover
electromagnetic compatibility	in accordance with IEC 60947-4-2
Certificates/ approvals	





Confirmation







EMC

Declaration of Conformity

General Product Approval

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5235-2AC15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5235-2AC15

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-2AC15

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5235-2AC15\&lang=en}}$

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-2AC15/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5235-2AC15&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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

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