SIEMENS

product brand name

Data sheet 3RW5077-6TB14

SIRIUS



SIRIUS soft starter 200-480 V 570 A, 110-250 V AC Screw terminals Thermistor input

product brand name	SIKIUS
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 	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 	3VA2580-6HN32-0AA0; Type of assignment 1, Iq = 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 	3NE1 437-2; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3 340-8; Type of coordination 2, Iq = 65 kA
 of line contactor usable up to 480 V 	3TF68
 of line contactor usable up to 690 V 	3TF68
General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
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 according to IEC 61557-12	5 %
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	2
trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2

buffering time in the event of power failure	400
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
utilization category according to IEC 60947-4-2	AC-53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	09/23/2019
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; Full motor protection (thermistor motor protection and electronic motor overload protection)
 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
• 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	No
Power Electronics	
operational current	
• at 40 °C rated value	570 A
at 50 °C rated value	504 A
at 60 °C rated value	460 A
operating voltage	000 400 1/
• rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
operating power for 3-phase motors	150 kW
• at 230 V at 40 °C rated value	160 kW
at 400 V at 40 °C rated value Operating frequency 4 rated value	315 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	240 A
at rotary coding switch on switch position 1 at rotary coding switch on switch position 2	
at rotary coding switch on switch position 2 at rotary coding switch on switch position 2	262 A
at rotary coding switch on switch position 3 at rotary coding switch on switch position 4.	284 A
 at rotary coding switch on switch position 4 	306 A

 at rotary coding switch on switch position 5 	328 A
 at rotary coding switch on switch position 6 	350 A
at rotary coding switch on switch position 7	372 A
,	394 A
at rotary coding switch on switch position 8	
 at rotary coding switch on switch position 9 	416 A
 at rotary coding switch on switch position 10 	438 A
 at rotary coding switch on switch position 11 	460 A
 at rotary coding switch on switch position 12 	482 A
 at rotary coding switch on switch position 13 	504 A
 at rotary coding switch on switch position 14 	526 A
 at rotary coding switch on switch position 15 	548 A
 at rotary coding switch on switch position 16 	570 A
minimum	240 A
minimum load [%]	15 %; Relative to smallest settable le
	10 70, Nelative to smallest settable le
power loss [W] for rated value of the current at AC	70.14/
• at 40 °C after startup	73 W
 at 50 °C after startup 	57 W
at 60 °C after startup	47 W
power loss [W] at AC at current limitation 350 %	
 at 40 °C during startup 	7 019 W
 at 50 °C during startup 	5 801 W
at 60 °C during startup	5 048 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	NO .
• at 50 Hz	110 250 V
	110 250 V
• at 60 Hz	
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	-10 %
voltage frequency	
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	105 mA
locked-rotor current at close of bypass contact maximum	2.2 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
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	0
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

estallation/ 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
onnections/ Terminals	7.5 kg
type of electrical connection	
for main current circuit	busbar connection
for control circuit	screw-type terminals
width of connection bar maximum	* :
	35 mm; with connection cover 3RT1966-4EA1 maximum length 45 mm
wire length for thermistor connection	F0 m
with conductor cross-section = 0.5 mm² maximum	50 m
with conductor cross-section = 1.5 mm² maximum	150 m
with conductor cross-section = 2.5 mm² maximum	250 m
type of connectable conductor cross-sections	
 for main contacts for box terminal using the front elamping point colid 	95 300 mm²
clamping point solid • for main contacts for box terminal using the front clamping point finely stranded with core end	70 240 mm²
processing • for main contacts for box terminal using the front	70 240 mm²
clamping point finely stranded without core end processing	
 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 mm²
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
type of connectable conductor cross-sections	
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
	(, , , ,

## Communication motion is supported ## Communication Protects ## Communication motion ## Communication		
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Communication Protocol communication module is supported • PROFINET standard • EtherNet/IIP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA 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. operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 2200/230 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at 50 °C rated value • ATEX certificate of suitability • ATEX LECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFDag with low demand rate according to IEC 61508 relating to ATEX PFDag with low demand rate according to IEC 61508 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Clas	during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
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PROFINET standard EtherNet/IP Modobus RTU Modobus TCP PROFIBUS PROFIBUS Profibus Mulcas raticle 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 Operating power [hp] for 3-phase motors of at 220/230 V at 50 °C rated value at 220/230 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value Protection class IP on the front according to IEC 60529 Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, ma	Communication/ Protocol	
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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 Operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 460/480 V at 50 °C rated value 200 hp • at 460/480 V at 50 °C rated value Protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 ATEX certificate of suitability • ATEX • IECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to IEC 61508 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 30 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Class L, max. 1600 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; I	PROFIBUS	Yes
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— usable for Standard Faults up to 575/600 V according to UL. — usable for High Faults up to 575/600 V according to UL. Operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 60/480 V at 50 °C rated value • at 60/480 V at 50 °C rated value • at 60/480 V at 50 °C rated value • at 60/480 V at 50 °C rated value • at 60/480 V at 50 °C rated value Frotection class IP on the front according to IEC • 60529 • Type: Class L, max. 1200 A; Iq = 100 kA Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA **Type: Class L, max. 1200 A; Iq = 100 kA *	manufacturer's article number	
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at 460/480 V at 50 °C rated value Safety related data protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX certificate of suitability • ATEX • IECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFDD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life 3 y	 at 200/208 V at 50 °C rated value 	150 hp
Protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 ATEX certificate of suitability • ATEX • IECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to IEC 61508 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life ATEX IP00; IP20 with cover IP00;	 at 220/230 V at 50 °C rated value 	200 hp
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 ATEX certificate of suitability • ATEX • IECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFHD with high demand rate according to EC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life IP00; IP20 with cover finger-safe, for vertical contact from the front with cover for vertical contact from the front with cover for vertical contact from the front with cover 10 0.09 Fes 9 0.09 9 0.09 SIL1 SIL1	 at 460/480 V at 50 °C rated value 	400 hp
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX certificate of suitability • ATEX • IECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life 3 y	Safety related data	
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certificate of suitability • ATEX • IECEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life Yes Yes 0 0 0 0 0 0 0 0 0 0 0 0 0		figures and for continuous and the first the first the
certificate of suitability • ATEX • IECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 SIL1 relating to ATEX T1 value for proof test interval or service life Yes Yes 0.09 0.09 SIL1		iniger-sale, for vertical contact from the front with cover
ATEX IECEx Yes hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life 3 y		
● IECEX hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life Yes 0.09 SIL1		Yes
hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life 0 0.09 SIL1		
PFDavg with low demand rate according to IEC 61508 relating to ATEX PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life 0.09 9E-6 1/h SIL1	hardware fault tolerance according to IEC 61508	
PFHD with high demand rate according to EN 62061 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life 9E-6 1/h SIL1	PFDavg with low demand rate according to IEC 61508	0.09
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX T1 value for proof test interval or service life 3 y	PFHD with high demand rate according to EN 62061	9E-6 1/h
T1 value for proof test interval or service life 3 y	Safety Integrity Level (SIL) according to IEC 61508	SIL1
	T1 value for proof test interval or service life	3 y

Certificates/ approvals

General Product Approval

For use in hazardous locations



Confirmation









For use in hazardous locations Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







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=3RW5077-6TB14

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5077-6TB14}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5077-6TB14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5077-6TB14&lang=en

 $\label{lem:characteristic:} \textbf{Characteristic: Tripping characteristics, } \textbf{I}^{2}\textbf{t, Let-through current}$

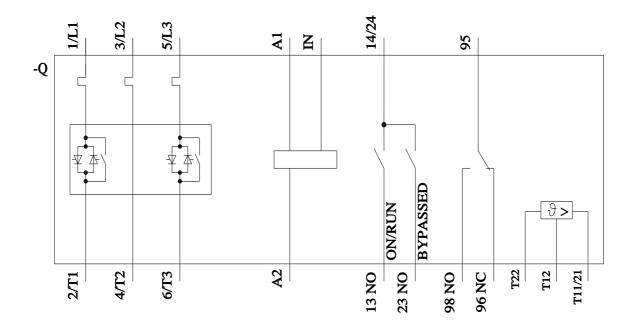
https://support.industry.siemens.com/cs/ww/en/ps/3RW5077-6TB14/char

Characteristic: Installation altitude

 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5077-6TB14\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

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



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