# **SIEMENS**

product brand name

Data sheet 3RW5073-6AB14

SIRIUS



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





product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW50
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS01
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3354-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1 331-0; Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3 335; Type of coordination 2, Iq = 65 kA
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1065</u>
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1065</u>
eneral 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 %
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
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	5, acc. to fee 60947-4-2
	1 600 V
blocking voltage of the thyristor maximum	1
service factor	
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	600 V
between main and auxiliary circuit	
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
utilization category according to IEC 60947-4-2	AC-53a
reference code according to IEC 81346-2	Q 00/02/2040
Substance Prohibitance (Date)	09/23/2019
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" ) covering any of its individual anti- and syn-isomers or any combination thereof Dicyclohexyl phthalate (DCHP) - 84-61-7 Dodecamethylcyclohexasiloxane (D6) - 540-97-6
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
• 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
<ul> <li>via software parameterizable</li> </ul>	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	250 A
at 50 °C rated value	220 A
at 60 °C rated value	200 A
operating voltage	
• 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	
• at 230 V at 40 °C rated value	75 kW
• at 400 V at 40 °C rated value	132 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	100 A

<ul> <li>at rotary coding switch on switch position 2</li> </ul>	110 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	120 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	130 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	140 A
at rotary coding switch on switch position 6	150 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	160 A
at rotary coding switch on switch position 8	170 A
at rotary coding switch on switch position 9	180 A
at rotary coding switch on switch position 10	190 A
	200 A
at rotary coding switch on switch position 11	
at rotary coding switch on switch position 12	210 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	220 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	230 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	240 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	250 A
• minimum	100 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
<ul> <li>at 40 °C after startup</li> </ul>	23 W
<ul> <li>at 50 °C after startup</li> </ul>	18 W
at 60 °C after startup	15 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	2 454 W
<ul> <li>at 50 °C during startup</li> </ul>	2 043 W
<ul> <li>at 60 °C during startup</li> </ul>	1 786 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 %
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	105 mA
inrush current by closing the bypass contacts maximum	2.2 A
inrush current peak at application of control supply voltage	12.2 A
maximum	
duration of inrush current peak at application of control supply voltage	2.2 ms
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection	Varistor
duration of inrush current peak at application of control supply voltage	
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection	Varistor  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
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs	Varistor  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
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs	Varistor  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
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs  number of digital outputs	Varistor  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
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs  number of digital outputs  ont parameterizable	Varistor  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  1 3 2
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable  digital output version	Varistor  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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs  number of digital outputs  ont parameterizable  digital output version  number of analog outputs	Varistor  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  1 3 2
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs	Varistor  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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  design of short-circuit protection for control circuit  Inputs/ Outputs  number of digital inputs  number of digital outputs  ont parameterizable  digital output version  number of analog outputs	Varistor  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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)

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	
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
type of connectable conductor cross-sections for main	,
contacts for box terminal	
<ul> <li>using the front clamping point solid</li> </ul>	95 300 mm²
using the front clamping point finely stranded with core	70 240 mm²
<ul> <li>end processing</li> <li>using the front clamping point finely stranded without core</li> </ul>	70 240 mm²
end processing	05 200 mm²
using the heak elemping point stranded	95 300 mm <sup>2</sup>
using the back clamping point solid      They terminal union the back clamping point.	120 240 mm²
r box terminal using the back clamping point	250 500 kcmil
using both clamping points solid	min. 2x 70 mm², max. 2x 240 mm²
using both clamping points finely stranded with core end processing	min. 2x 50 mm², max. 2x 185 mm²
<ul> <li>using both clamping points finely stranded without core end processing</li> </ul>	min. 2x 50 mm², max. 2x 185 mm²
using both clamping points stranded	min. 2x 70 mm², max. 2x 240 mm²
using the back clamping point finely stranded with core end processing	120 185 mm²
<ul> <li>using the back clamping point finely stranded without core end processing</li> </ul>	120 185 mm <sup>2</sup>
using the back clamping point stranded	120 240 mm²
type of connectable conductor cross-sections	
for 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	4 (05, 40, 3), 0 (05, 05, 3)
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
for control circuit finely stranded with core end processing	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	900 m
between soft starter and motor maximum     at the digital inpute at AC maximum	800 m
at the digital inputs at AC maximum  tightaning tagger	1 000 m
e for main contacts with screw type terminals	14 24 N.m
for main contacts with screw-type terminals     for auxiliary and control contacts with screw type	14 24 N·m
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
tightening torque [lbf·in]	
• for main contacts with screw-type terminals	124 210 lbf·in
for auxiliary and control contacts with screw-type	7 10.3 lbf-in
terminals	
mbient conditions	E 000 my devoting on of 1000 my and Marrial
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     during storage and transport	-40 +80 °C

environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  Environmental footprint  Siemens Eco Profile (SEP)  EMC emitted interference  Communication Protocol  Communication Protocol  Communication Protocol  Communication Protocol  Communication Protocol  PROFINET standard  •		
Siemens Eco Profile (SEP)   Siemens EcoTech	environmental category	
e during transport according to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  Environmental footprint  Siemens Eco Profile (SEP) Siemens EcoTech EMC emitted interference acc. to IEC 60947-4-2: Class A  Communication Protocol  communication i Protocol  communication in Protocol  communication i Protocol  communication  communication  communication  communication  communication  communication  comm	<ul> <li>during operation according to IEC 60721</li> </ul>	
Environmental footprint  Siemens Eco Profile (SEP)  Siemens EcoTech  EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication Protocol  communication module is supported  PROFINET standard  PROFINET standard  PROFINET standard  PROFINET standard  PROFINED  PROFINED  PROFIEUS  Tyes  ULICSA ratings  manufacturer's article number  of circuit breaker  — usable for High Faults at 460/480 V according to UL  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 200/208 V at 50 °C rated value  at 460/480 V at	during storage according to IEC 60721	, , , , , , , , , , , , , , , , , , , ,
Siemens Eco Profile (SEP)  EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication module is supported  PROFINET standard  PROFINE	<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  PROFIBUS  Wes  Modbus TCP  PROFIBUS  Ves  ULICSA ratings  manufacturer's article number  of circuit breaker  usable for High Faults at 480/480 V according to UL  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 Fligh 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 High 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 High 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 High 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 IP  usable for High Faults up to 575/600 V according to IP  usable for High Faults up to 575/600 V according to IP  usable for High Faults up to 575/600 V according to IP  usable for High Faults up to 575/600 V according to IP  usable for High Faults up to 575/600 V according to IP  usable for High Faults up to 575/600 V according to IP  usable for High Faults up to 575/600 V	Environmental footprint	
Communication / Protocol  communication module is supported  PROFINET standard  PROFINET Standard  PROFINET Standard  Profile Standard  Profile Standard  Profile Standard  Profile Standard Standard  Profile Standard Faults up to 575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Standard Faults up to 4575/600 V according to UL  Profile Stan	Siemens Eco Profile (SEP)	Siemens EcoTech
communication module is supported  PROFINET standard  PROFINET standard  Profit Modbus RTU  Modbus RTU  Profit Modbus TCP  PROFIBUS  Wes  PROFIBUS  Wes  PROFIBUS  Wes  PROFIBUS  Wes  UUCSA ratings  manufacturer's article number  of circuit breaker  — usable for High Faults at 460/480 V according to UL  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 High 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 High 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 High 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 High 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 High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  Type: Class L, max. 800 A; Iq = 10 kA   Type: Class L, max. 800 A; Iq = 100 kA	EMC emitted interference	acc. to IEC 60947-4-2: Class A
PROFINET standard EtherNet/IP  Modbus RTU Modbus TCP PROFIBUS  Ves PROFIBUS  Ves  UL/CSA ratings  manufacturer's article number of circuit breaker — usable for High Faults at 460/480 V according to UL 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  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  Type: Class L, max. 800 A; Iq = 100 kA  United the function of the fu	Communication/ Protocol	
EtherNet/IP  Modbus RTU  Modbus RTU  Modbus TCP  PROFIBUS  Yes  Wes  PROFIBUS  Tyes  Manufacturer's article number  of circuit breaker  — usable for High Faults at 460/480 V according to UL  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 High Faults up to 575/600 V according to UL  operating power (Ip1) for 3-phase motors  of at 200/208 V at 50 °C rated value  of 150 hp  Electrical Safety  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 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  PFDay sith low demand rate according to IEC 61508 relating to ATEX  PFDay sith low demand rate according to IEC 61508 relating to ATEX  PFDay sith low demand rate according to IEC 61508 relating to ATEX  PFDay sith low demand rate according to IEC 61508 relating to ATEX  PFDay sith low demand rate according to IEC 61508 relating to ATEX  PFDay sith low demand rate according to IEC 61508 relating to ATEX  PFDay sith low demand rate according to IEC 61508 relating to ATEX  PFBUS sith sith sith sith sith sith sith sith	communication module is supported	
Modbus RTU  Modbus TCP  PROFIBUS  Ves  Yes  Yes  Ves  Ves  Ves  Ves  Ves	<ul> <li>PROFINET standard</li> </ul>	Yes
Modbus TCP PROFIBUS Pres PROFIBUS Pres  Wes PROFIBUS  Manufacturer's article number of circuit breaker — usable for High Faults at 460/480 V according to UL 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 220/230 V at 50 °C rated value at 240/480 V at 50 °C rated value 150 hp Electrical Safety 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  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PPDay with low demand rate according to IEC 61508 relating to ATEX  T value for proof test interval or service life according to IEC 61508 relating to ATEX  T value for proof test interval or service life according to IEC 61508 relating to ATEX  Provice of the form of the front according to IEC 61508 relating to ATEX  Art value for proof test interval or service life according to IEC 61508 relating to ATEX  T value for proof test interval or service life according to IEC 61508 relating to ATEX  Provice of the form of the front according to IEC 61508 relating to ATEX  Art X  Art X  Art X  Provice Class L, max. 800 A; Iq = 18 kA  Type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type: Class L, max. 800 A; Iq = 100 kA  I type	EtherNet/IP	Yes
PROFIBUS  Wanufacturer's article number  of circuit breaker  — usable for High Faults at 460/480 V according to UL  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 High 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  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  150 hp  Electrical Safety  protection class IP on the front according to IEC 60529  finger-safe, for vertical contact from the front with cover  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PPDay with low demand rate according to IEC 61508 relating to ATEX  PPDay with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Proof the fine front fine front service life according to IEC 61508 relating to ATEX  Yes  • IECEX  Yes	Modbus RTU	Yes
manufacturer's article number  of circuit breaker — usable for High Faults at 460/480 V according to UL 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 of at 200/208 V at 50 °C rated value of at 480/480 V at 50 °C rated value of at 480/480 V at 50 °C rated value of at 480/480 V at 50 °C rated value of touch protection 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  at AEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  11 value for proof test interval or service life according to IEC 61508 relating to ATEX  12 value for proof test interval or service life according to IEC 61508 relating to ATEX  13 value for proof test interval or service life according to IEC 61508 relating to ATEX  14 value for proof test interval or service life according to IEC 61508 relating to ATEX  15 value for proof test interval or service life according to IEC 61508 relating to ATEX  16 value for proof test interval or service life according to IEC 61508 relating to ATEX  17 value for proof test interval or service life according to IEC 61508 relating to ATEX  ortificate of suitability  ATEX  I Ves  I I I I I I I I I I I I I I I I I I I	Modbus TCP	Yes
manufacturer's article number  of circuit breaker — usable for High Faults at 460/480 V according to UL  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 High 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 High 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  o at 200/208 V at 50 °C rated value  o at 220/230 V at 50 °C rated value  o at 460/480 V at 50 °C rated value  Electrical Safety 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  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PPHD with high demand rate according to IEC 61508 relating to ATEX  PPDavg with low demand rate according to IEC 61508 relating to ATEX  PPDavg with low demand rate according to IEC 61508 relating to ATEX  11 value for proof test interval or service life according to IEC 61508 relating to ATEX  o IEC 61508  or	• PROFIBUS	Yes
of circuit breaker         — usable for High Faults at 460/480 V according to UL         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 High 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 High 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 High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to Watcording to Watc	UL/CSA ratings	
- usable for High Faults at 460/480 V according to UL  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 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 60/480 V at 50 °C rated value  Ibo hp  Electrical Safety  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  Private of the first according to IEC 61508 relating to ATEX  Private of the first according to IEC 61508 relating to ATEX  Private of the first according to IEC 61508 relating to ATEX  Private of the first according to IEC 61508 relating to ATEX  Private of the first according to IEC 61508 relating to ATEX  Private of the first according to IEC 61508 relating to ATEX  Private of suitability  ATEX  • ATEX  • IECEx  Substitute of suitability  • ATEX  • IECEx	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  operating power [hp] for 3-phase motors         • at 200/208 V at 50 °C rated value	of circuit breaker	
- 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  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  Electrical Safety 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 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  11 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability • ATEX  • IECEX  Yes  Yes  Yes	<ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; Iq max = 65 kA
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    150 hp    Electrical Safety   protection class IP on the front according to IEC 60529   IP00; IP20 with cover	of the fuse	
operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value 60 hp  • at 220/230 V at 50 °C rated value 75 hp  • at 460/480 V at 50 °C rated value 150 hp  Electrical Safety 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  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDayg with low demand rate according to IEC 61508 relating to ATEX  PFDayg with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEX  Yes		Type: Class L, max. 800 A; Iq = 18 kA
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  Flectrical Safety  protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  Andware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  ATEX  Yes  IECEX  Yes		Type: Class L, max. 800 A; Iq = 100 kA
* at 220/230 V at 50 °C rated value     * at 460/480 V at 50 °C rated value     * 150 hp  Electrical Safety  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability      • ATEX      • IECEX  * Yes  Ves	operating power [hp] for 3-phase motors	
• at 460/480 V at 50 °C rated value  Electrical Safety  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEX  150 Np  IP00; IP20 with cover  finger-safe, for vertical contact from the front with cover  SIL1  SIL1  0.09  9E-6 1/h  0.09  0.09  3 a  Yes	• at 200/208 V at 50 °C rated value	60 hp
Electrical Safety protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX • IECEX  PYES	• at 220/230 V at 50 °C rated value	75 hp
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  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEX  PRO0; IP20 with cover  finger-safe, for vertical contact from the front with cover  finger-safe, for vertical contact from the front with cover  finger-safe, for vertical contact from the front with cover  finger-safe, for vertical contact from the front with cover  finger-safe, for vertical contact from the front with cover  finger-safe, for vertical contact from the front with cover  SIL1  O 3  ATEX  Yes	• at 460/480 V at 50 °C rated value	150 hp
touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEX  finger-safe, for vertical contact from the front with cover  SIL1  0.09  9E-6 1/h  0.09  3 a  Yes	Electrical Safety	
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEx  SIL1  O.09  9E-6 1/h  0.09  3 a  Yes	protection class IP on the front according to IEC 60529	IP00; IP20 with cover
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 pelating to ATEX  PFDavg with low demand rate according to IEC 61508 pelating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEx  SIL1  SIL1  SIL1  9E-6 1/h  0.09  3 a	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover
to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX • IECEx  PFDavg with high demand rate according to IEC 61508  0.09  0.09  3 a  Yes	ATEX	
relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX • IECEx  • IECEx		SIL1
relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEX  Ves		9E-6 1/h
ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  certificate of suitability  • ATEX  • IECEX  Yes		0.09
IEC 61508 relating to ATEX  certificate of suitability		0
• ATEX • IECEx  Yes  Yes		3 a
• IECEx Yes	certificate of suitability	
	• ATEX	Yes
• UKEX	• IECEx	Yes
	• UKEX	Yes

# Approvals Certificates

## **General Product Approval**





Confirmation







General Product Approval

For use in hazardous locations

Test Certificates



<u>KC</u>





Miscellaneous

Type Test Certificates/Test Report







## Confirmation





### **Environment**

Environmental Confirmations

### **Further information**

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RW5073-6AB14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5073-6AB14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5073-6AB14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5073-6AB14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

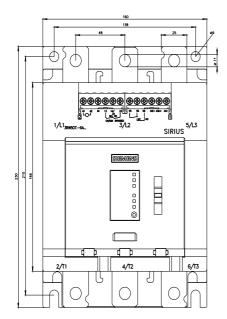
https://support.industry.siemens.com/cs/ww/en/ps/3RW5073-6AB14/char

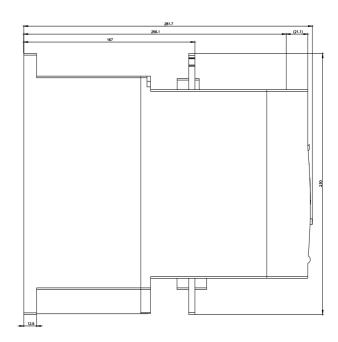
Characteristic: Installation altitude

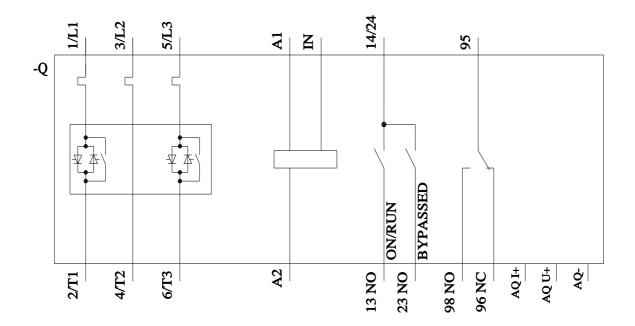
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5073-6AB14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 4/19/2024 🖸