SIEMENS

Data sheet 3RW5075-6TB04



SIRIUS soft starter 200-480 V 370 A, 24 V AC/DC Screw terminals Thermistor input



product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW50
manufacturer's article number	
 of standard HMI module usable 	3RW5980-0HS01
 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 334-2; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3 336; Type of coordination 2, Iq = 65 kA
 of line contactor usable up to 480 V 	<u>3RT1075</u>
 of line contactor usable up to 690 V 	<u>3RT1075</u>
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 %
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	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 protective separation	ONV
between main and auxiliary circuit	600 V
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
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
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	370 A
at 50 °C rated value	328 A
at 60 °C rated value	300 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	110 kW
at 400 V at 40 °C rated value	200 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
at rotary coding switch on switch position 1	160 A

 at rotary coding switch on switch position 2 	174 A
 at rotary coding switch on switch position 3 	188 A
 at rotary coding switch on switch position 4 	202 A
 at rotary coding switch on switch position 5 	216 A
 at rotary coding switch on switch position 6 	230 A
at rotary coding switch on switch position 7	244 A
at rotary coding switch on switch position 8	258 A
at rotary coding switch on switch position 9	272 A
at rotary coding switch on switch position 10	286 A
	300 A
at rotary coding switch on switch position 11	
at rotary coding switch on switch position 12	314 A
at rotary coding switch on switch position 13	328 A
at rotary coding switch on switch position 14	342 A
 at rotary coding switch on switch position 15 	356 A
 at rotary coding switch on switch position 16 	370 A
• minimum	160 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	36 W
• at 50 °C after startup	29 W
at 60 °C after startup	24 W
power loss [W] at AC at current limitation 350 $\%$	
 at 40 °C during startup 	3 726 W
 at 50 °C during startup 	3 124 W
at 60 °C during startup	2 748 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
 at 50 Hz rated value 	24 V
at 60 Hz rated value	24 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
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 voltage at DC	
rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	490 mA
inrush current by closing the bypass contacts maximum	
	7.6 A
inrush current peak at application of control supply voltage maximum	3.3 A
maximum duration of inrush current peak at application of control supply voltage	3.3 A 12.1 ms
maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection	3.3 A 12.1 ms Varistor
maximum duration of inrush current peak at application of control supply voltage	3.3 A 12.1 ms
maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection	3.3 A 12.1 ms 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
maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit	3.3 A 12.1 ms 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
maximum 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	3.3 A 12.1 ms 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

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
nstallation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90 $^\circ$ rotatable, with vertical mounting surface +/- 22.5 $^\circ$ tiltable to the front and back
fastening method	screw fixing
height	230 mm
width	160 mm
depth	282 mm
required spacing with side-by-side mounting	
• forwards	10 mm
• backwards	0 mm
• upwards	100 mm
• downwards	75 mm
• at the side	5 mm
weight without packaging	7.3 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
• for control circuit	screw-type terminals
width of connection bar maximum	35 mm; with connection cover 3RT1966-4EA1 maximum length 45 mm
wire length for thermistor connection	
with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum	50 m
with conductor cross-section = 1.5 mm² maximum with conductor cross section = 2.5 mm² maximum	150 m
with conductor cross-section = 2.5 mm² maximum Type of compactable conductor cross sections for main.	250 m
type of connectable conductor cross-sections for main contacts for box terminal	
using the front clamping point solid	95 300 mm²
 using the front clamping point finely stranded with core end processing 	70 240 mm²
 using the front clamping point finely stranded without core end processing 	
using the front clamping point stranded	95 300 mm²
using the back clamping point solid	120 240 mm²
r box terminal using the back clamping point	250 500 kcmil
 using both clamping points solid using both clamping points finely stranded with core end 	min. 2x 70 mm², max. 2x 240 mm² min. 2x 50 mm², max. 2x 185 mm²
using both clamping points finely stranded without core end processing	min. 2x 50 mm², max. 2x 185 mm²
using both clamping points stranded	min. 2x 70 mm², max. 2x 240 mm²
using both clamping points stranded using the back clamping point finely stranded with core end processing	120 185 mm ²
 using the back clamping point finely stranded without core end processing 	e 120 185 mm²
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	
 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	
between soft starter and motor maximum	800 m
at the digital inputs at AC maximum	1 000 m
tightening torque	
 for main contacts with screw-type terminals 	14 24 N·m

• For auxiliary and control contacts with screw-type (eminicals of to auxiliary and control contacts with screw-type terminals of the auxiliary and control contacts with screw-type (eminicals of the auxiliary and control contacts with screw-type (eminicals of the auxiliary and control contacts with screw-type (eminicals of the auxiliary and control contacts with screw-type (eminicals of the auxiliary and control contacts with screw-type (eminicals of the auxiliary and control contacts with screw-type (eminicals of the auxiliary and auxiliary and the auxiliary and the auxiliary and the auxiliary a		
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* or auxiliary and control contacts with screw-type Ambient conditions installation attlude at height above sea level maximum ambient temperature • during operation • during storage and transport • during operation according to IEC 60721 • during operation according to IEC 60721 • during storage according to IEC 60721 • during three parts according to IEC 60921 • during three parts according to IEC 60921 • during three parts according to IEC 60921 • during three parts according to IEC 60922 • during three parts according to IEC 60929 • during three parts according to IEC 61908 relating to ATEX • decided to the parts according to IEC 61908 relating to ATEX • during three parts according to IEC 61908 relating to ATEX • during three parts according to IEC 61908 relating to ATEX • during three parts according to IEC 61908 relating to ATEX • during three parts according to IEC 61908 relating to ATEX • during three parts according to IEC 61908 relating to ATEX • during three parts according to IEC 61908 relating to ATEX • during three par	tightening torque [lbf·in]	
Installation altitude at height above sea level maximum ambient temperature • during poreration • during storage and transport • during storage according to IEC 60721 • during transport according to IEC 60721 • Environmental footprint Environmental	 for main contacts with screw-type terminals 	124 210 lbf·in
installation altitude at height above sea level maximum ambient temperature • during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • Centrollogical Computer Storage • Communication Temperation • Communication Temperation • PROFINCT standard • PROFINCT standa		7 10.3 lbf·in
### Size of the Standard Faults up to 575/600 V according to UC Standard Faults up to Tandard Faults up to Tandard Faults up to Tandard Faults up to Tandard Faults up to Tand	Ambient conditions	
eduring storage and transport eduring storage and transport eduring storage and transport eduring storage and coording to IEC 60721 eduring storage according s	installation altitude at height above sea level maximum	5 000 m; derating as of 1000 m, see Manual
- during storage and transport - during operation according to IEC 60721 - 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 - Environmental footprint - Siemens Eco Profile (SEP) - PROFINET standard - PROFIBUS - Modobus RTU - Yes - Modobus RTU - Yes - PROFIBUS - ULCSA ratings - Justice (Standard Faults up to 575/600 V according to UL - ULC - USable for High Faults up to 575/600 V according to UL - ULC	ambient temperature	
environmental category • during operation according to IEC 60721 • during storage according to IEC 60721 * (166 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 * (167 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get inside the devices), 1M4 • during transport according to IEC 60721 * (167 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get inside the devices), 1M4 • (167 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get inside the devices), 1M4 • (167 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get inside the devices), 1M4 • (167 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get inside the devices), 1M4 • (167 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get into the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get into the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get into the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get into the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get into the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get into the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get misted the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait mist), 1S2 (sand must not get misted the devices), 3M6 • (168 (only occasional condensation), 1C2 (no sait misted the devices), 1M4 • (168 (only occasional condensation), 1C2 (no sait misted), 1C2 (no sait misted), 1C2 (no sait misted), 1C2 (during operation 	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
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Sand must not get into the devices), 3M6	environmental category	
inside the devices), 1M4 verticommental footprint Environmental footprint Siemens Eco Profile (SEP) Siemens Eco Trofile (SEP) EMC emitted interference communication module is supported PROFINET standard PROFINET standard PROFINET standard PROFINET Standard PROFINED PROFILED PROFILED PROFILED PROFILED PROFILED IULICSA ratings manufacturer's article number Of the fuse Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Seconding to UL Standard Faults up to 575/600 V Standard Faults up to	 during operation according to IEC 60721 	
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Siemens Eco Profile (SEP) EMC emitted interference acc. to IEC 60947-4-2: Class A Communication module is supported PROFINET standard PROFINET standard Protection PROFINET standard Protection PROFINET standard Protection PROFIBUS PROFIBUS PROFIBUS UUCSA ratings manufacturer's article number of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Talph Faults up to 575/600 V according to UL — usable for Talph 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 Bush 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 Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to 575/600 V according to Un — usable for High Faults up to According to IEC 60529 Input Class L, max. 1200 A; Iq = 18 kA Type: Class L, max. 1200 A; Iq = 18 kA Type: Class L, max. 1200 A; Iq = 100 kA UD to Dip Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L, max. 1200 A; Iq = 100 kA Input Class L,	 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference Communication Protocol communication module is supported PROFINET standard PROFINET standard PROFINET standard PROFINET standard PROFINET standard PROFINED Modbus RTU Modbus TCP PROFIBUS Ves PROFIBUS Wes Wes PROFIBUS Wes Wes Wes Wes Wes Wes Wes We	Environmental footprint	
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Modbus RTU Modbus TCP PROFIBUS Yes Yes Yes Yes Yes Yes Yes Ye	 PROFINET standard 	Yes
Modbus TCP PROFIBUS Yes Yes Yes Yes Yes Yes Yes Yes Ves Yes WILCSA ratings manufacturer's article number of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for 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 125 hp 250 hp Electrical Safety protection class IP on the front according to IEC 60529 IPO0; IP20 with cover touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front with cover ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PFDD with high demand rate 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 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 a IECEX Ves UKEX Ves UKEX	• EtherNet/IP	Yes
PROFIBUS Was provided by the proof test interval or service life according to IEC 61508 relating to ATEX PROFIBUS Proper (Sas L, and the proof test interval or service life according to IEC 61508 relating to ATEX PYES PYES PURCHASS PYES	Modbus RTU	Yes
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 o at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value telectrical 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 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 T1 value for proof test interval or service life according to IEC 61508 relating to ATEX PFDEVEN TATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX PFDEVEN TATEX T200 ATEX T200 ATEX	Modbus TCP	Yes
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of the fuse	UL/CSA ratings	
	manufacturer's article number	
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 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 IP00; IP20 with cover 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 • UKEX Ves • UKEX	of the fuse	
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 • 250 hp Electrical Safety protection class IP on the front according to IEC 60529		Type: Class L, max. 1200 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 250 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 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 Yes IECEX Ves UKEX		Type: Class L, max. 1200 A; lq = 100 kA
at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value 250 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 Andware fault tolerance according to IEC 61508 relating to ATEX certificate of suitability ATEX Yes IECEX UKEX Yes UKEX ATEX Yes Yes Yes	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 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 ATEX ATEX ATEX ATEX ATEX AUEX UKEX Ves UKEX AUEX	at 200/208 V at 50 °C rated value	100 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 PFDavg with low demand rate according to IEC 61508 relating to ATEX Aradware 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 • UKEX Ves	at 220/230 V at 50 °C rated value	125 hp
protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 Ifinger-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 • UKEX Ves	 at 460/480 V at 50 °C rated value 	250 hp
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 gel-6 1/h 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 • UKEX 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 5	Electrical Safety	
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PFHD with high demand rate according to IEC 61508 9E-6 1/h relating to ATEX PFDavg with low demand rate according to IEC 61508 0.09 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 • UKEX Ves	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 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 • UKEX SIL1 9E-6 1/h 0.09 0.09 100 100 100 100 100 1	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 • UKEX PE-6 1/h 0.09 3 a Ves Ves Ves Ves	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 • UKEX Ves		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 • UKEX Ves • UKEX		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 • UKEX Yes • UKEX		0.09
IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEX • UKEX Yes • UKEX		0
 ATEX IECEx UKEX Yes Yes Yes 		3 a
IECEx	certificate of suitability	
• UKEX Yes	• ATEX	Yes
	• IECEx	Yes
Approvals Certificates	• UKEX	Yes
	Approvals Certificates	
General Product Approval	General Product Approval	







Confirmation





<u>KC</u>





Miscellaneous

Type Test Certificates/Test Report



Marine / Shipping

other

Environment





Confirmation





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=3RW5075-6TB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5075-6TB04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5075-6TB04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5075-6TB04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

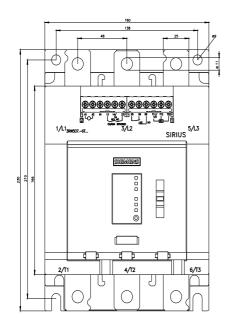
https://support.industry.siemens.com/cs/ww/en/ps/3RW5075-6TB04/char

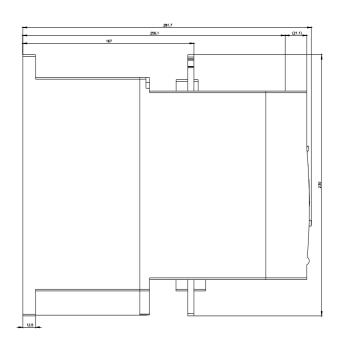
Characteristic: Installation altitude

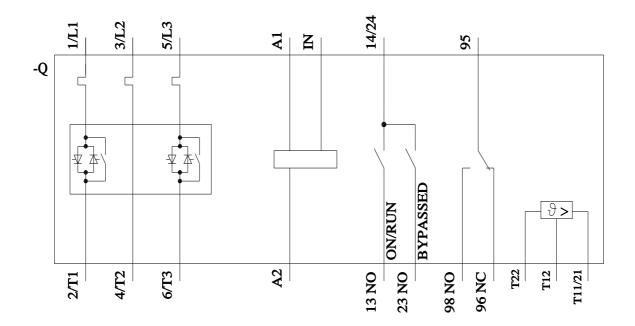
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5075-6TB04\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

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







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