## **SIEMENS**

3RW5234-6TC14 **Data sheet** 



SIRIUS soft starter 200-480 V 113 A, 110-250 V AC Screw terminals Thermistor input

product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS00
<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>	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3244-6; 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>	3NE1225-0; 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>	3NE3332-0B; Type of coordination 2, Iq = 65 kA
General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
<ul> <li>UL approval</li> </ul>	Yes
<ul> <li>CSA approval</li> </ul>	Yes
product component	
HMI-High Feature	No
<ul> <li>is supported HMI-Standard</li> </ul>	Yes
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	
for main current circuit	100 ms

	400		
• for control circuit	100 ms		
insulation voltage rated value	600 V		
degree of pollution	3, acc. to IEC 60947-4-2		
impulse voltage rated value	6 kV		
blocking voltage of the thyristor maximum	1 400 V		
service factor	1		
surge voltage resistance rated value	6 kV		
maximum permissible voltage for safe isolation			
between main and auxiliary circuit	600 V		
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting		
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz		
utilization category according to IEC 60947-4-2	AC 53a		
reference code according to IEC 81346-2	Q		
Substance Prohibitance (Date)	02/15/2018		
product function			
<ul><li>ramp-up (soft starting)</li></ul>	Yes		
<ul><li>ramp-down (soft stop)</li></ul>	Yes		
Soft Torque	Yes		
<ul> <li>adjustable current limitation</li> </ul>	Yes		
<ul><li>pump ramp down</li></ul>	Yes		
<ul> <li>intrinsic device protection</li> </ul>	Yes		
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)		
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick		
<ul> <li>inside-delta circuit</li> </ul>	Yes		
• auto-RESET	Yes		
<ul><li>manual RESET</li></ul>	Yes		
• remote reset	Yes; By turning off the control supply voltage		
<ul> <li>communication function</li> </ul>	Yes		
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories		
<ul><li>error logbook</li></ul>	Yes; Only in conjunction with special accessories		
via software parameterizable	No		
• via software configurable	Yes		
PROFlenergy	Yes; in connection with the PROFINET Standard communication module		
firmware update	Yes		
<ul> <li>removable terminal for control circuit</li> </ul>	Yes		
<ul> <li>torque control</li> </ul>	No		
<ul> <li>analog output</li> </ul>	No		
Power Electronics			
operational current			
• at 40 °C rated value	113 A		
• at 50 °C rated value	101 A		
• at 60 °C rated value	89 A		
operational current at inside-delta circuit			
• at 40 °C rated value	196 A		
• at 50 °C rated value	175 A		
• at 60 °C rated value	154 A		
operating voltage			
• rated value	200 480 V		
at inside-delta circuit rated value	200 480 V		
relative negative tolerance of the operating voltage	-15 %		
relative positive tolerance of the operating voltage	10 %		
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %		
relative positive tolerance of the operating voltage at inside-delta circuit	10 %		
operating power for 3-phase motors			
• at 230 V at 40 °C rated value	30 kW		
• at 230 V at inside-delta circuit at 40 °C rated value	55 kW		
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	55 kW		

• at 400 V at inside-delta circuit at 40 °C rated value	110 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	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	53 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	57 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	61 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	65 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	69 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	73 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	77 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	81 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	85 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	89 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	97 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	101 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	105 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	109 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	113 A
minimum	53 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	91.8 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	98.7 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	106 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	113 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	120 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	126 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	133 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	140 A
for inside-delta circuit at rotary coding switch on switch position 9	147 A
for inside-delta circuit at rotary coding switch on switch position 10	154 A
for inside-delta circuit at rotary coding switch on switch position 11      for inside-delta circuit at rotary coding switch on	161 A 168 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	175 A
switch position 13  • for inside-delta circuit at rotary coding switch on	182 A
switch position 14  • for inside-delta circuit at rotary coding switch on	189 A
switch position 15 • for inside-delta circuit at rotary coding switch on	196 A
switch position 16	24.0.4
at inside-delta circuit minimum	91.8 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	AG IM
at 40 °C after startup     at 50 °C after startup	46 W 42 W
<ul> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> </ul>	42 W 39 W
power loss [W] at AC at current limitation 350 %	00 11
• at 40 °C during startup	1 512 W

at 50 °C during startup	1 291 W		
• at 60 °C during startup	1 086 W		
Control circuit/ Control	1 000 11		
type of voltage of the control supply voltage	AC		
control supply voltage at AC	AC		
• at 50 Hz	110 250 V		
• at 60 Hz	110 250 V 110 250 V		
relative negative tolerance of the control supply	-15 %		
voltage at AC at 50 Hz			
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %		
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %		
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %		
control supply voltage frequency	50 60 Hz		
relative negative tolerance of the control supply voltage frequency	-10 %		
relative positive tolerance of the control supply voltage frequency	10 %		
control supply current in standby mode rated value	30 mA		
holding current in bypass operation rated value	75 mA		
locked-rotor current at close of bypass contact maximum	2.5 A		
inrush current peak at application of control supply voltage maximum	12.2 A		
duration of inrush current peak at application of control supply voltage	2.2 ms		
design of the overvoltage protection	Varistor		
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply		
Inputs/ Outputs			
Inputs/ Outputs number of digital inputs	1		
	1 3		
number of digital inputs			
number of digital inputs number of digital outputs	3		
number of digital inputs number of digital outputs  • not parameterizable	3 2		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm		
number of digital inputs number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width depth	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting	2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm		
number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards	2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm		
number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side	2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm		
number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side	2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm		
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm		
number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side  weight without packaging  Connections/ Terminals  type of electrical connection  • for main current circuit	2 normally-open contacts (NO) / 1 changeover contact (CO) 0  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm		
number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side  weight without packaging  Connections/ Terminals  type of electrical connection	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg		
number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side  weight without packaging  Connections/ Terminals  type of electrical connection  • for main current circuit  • for control circuit  width of connection bar maximum	2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg		
number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side  weight without packaging  Connections/ Terminals  type of electrical connection  • for main current circuit  • for control circuit	2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg		

with conductor cross-sections where the conductor cross-sections for DIN cable lug for main contacts afranded for DIN cable lug for main contacts afranded for DIN cable lug for main contacts afranded for control circuit solid for control control control control control control circuit solid for control c			
yee of connectable up for main contacts finely stranded  • for DIN cable lug for main contacts finely stranded  • for DIN cable lug for main contacts finely stranded  vyee of connectable conductor cross-sections  • for control circuit finely stranded with core and processing  • for control circuit solid  • for sulliser and motor maximum  • at the digital injusts at AC maximum  • to the digital injust as AC maximum  • to the digital injust as AC maximum  • for main contacts with screw-type terminals  • for auxiliary and control contacts with scre			
for DIN cable lug for main contacts stranded     for DIN cable lug for main contacts freely stranded     type of connectable conductor cross-sections     if or control circuit solid		250 m	
type of connectable conductor cross-sections of control circuit solid of control control circuit solid of control circuit solid of control control circuit solid of control control circuit solid of control cont			
Type of connectable conductor cross-sections   for control circuit solid   for control contacts with some very peterminals   for auxiliary and control contacts with screw-type terminals   for main contacts with screw-type terminals   for auxiliary and control contacts with screw-type   for auxiliary and control contacts with screw-type   for auxiliary and control contacts with screw	_		
* for control circuit solid * for control circuit solid * for control circuit finely stranded with core end processing * at AWG cables for control circuit solid * 1x (0.52.5 mm²), 2x (0.52.5 mm²) (2.5		2x (25 120 mm²)	
• for control circuit finely stranded with core end processing • at AWG cables for control circuit solid  wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • of the finely and control contacts with screw-type terminals • for availably and control contacts with screw	21	4 (0.5 4.0 2) 0 (0.5 0.5 2)	
processing			
* at AWC cables for control circuit solid wire length between soft starter and motor maximum * at the digital inputs at AC maximum 100 m  * at the digital inputs at AC maximum 100 m  1		1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)	
wire length  • between soft starter and motor maximum • at the digital inputs at AC maximum 100 m  1		1x (20 12), 2x (20 14)	
between soft starter and motor maximum     at the digital inputs at AC maximum  fightening torque     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals     for for (CPC)     for (C		7X (20 12), 2X (20 11)	
## at the digital inputs at AC maximum  ## tightning torque  ## for main contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for auxiliary and control contacts with screw-type terminals  ## for for prefer terminals  ## for for for terminals  ## for for for auxiliary and control contacts with screw-type	_	800 m	
tightening torque  • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals  Ambient conditions installation attitude at height above sea level maximum ambient tomperature • during operation • during storage and transport • during operation according to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during the during the device of the devices, 13M6 • during the device of the devic			
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for Cr. Please observe derating at temperatures of 40 °C or above • 40 °C; Please observe derating at temperatures of 40 °C or above • 40 °C; Please observe derating at temperatures of 40 °C or above • 40 °C; Please observe derating at temperatures of 40 °C or above • 40 °C; Please observe derating at temperatures of 40 °C or above • 40 °C; Please observe derating at temperatures of 40 °C or above • 40 °C; Please observe derating at temperatures of 40 °C or above • 40 °C; Please observe derating at temperature surfactures of 25 °C. ** for °C. Please observe derating at temperature surfactures of 25 °C. **			
tightening torque [ibf·in]  • for mail contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  installation altitude at height above sea level maximum  ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during storage and transport  • during storage according to IEC 60721  • during transport according to IEC 60721  • Def Communication the devices, 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get into the devices), 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get into the devices, 3M6:  1K6 (only occasional condensation), 1C2 (no salt mist), 3S2 (sand must not get into the dev		10 14 N·m	
terminals  **independing torque [lbf-in]**  **for main contacts with screw-type terminals  **for auxiliary and control contacts with screw-type terminals  **Ambient conditions  installation altitude at height above sea level maximum ambient temperature  **turing operation  **during operation according to IEC 60721  **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  **EMC emitted interference  **Communication module is supported**  **PROFINET standard**  **EtherNet/IPP**  **Modbus RTU**  **Modbus RTU**  **Nodbus RTU**  **Nodbus RTU**  **Described for High Faults at 460/480 V according to UL**	•••	0.8 1.2 N·m	
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals  ***Mobilent conditions** installation altitude at height above sea level maximum ambient temperature • during operation • during peration • during storage and transport • during storage and coording to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET standard • PROFIBUS  **Ves			
• for auxillary and control contacts with screw-type terminals  Antibiont conditions  installation altitude at height above sea level maximum  amblent 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 transport according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721  EMC emitted Interference  Communication / Protocol  communication module is supported • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET standard • Modbus TCP • PROFIBUS  ULICSA ratings  manufacture's article number • of circuit breaker  — usable for Standard Faults at 460/480 V a coording to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575	tightening torque [lbf·in]		
Ambient conditions 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	<ul> <li>for main contacts with screw-type terminals</li> </ul>	89 124 lbf·in	
installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • December 19 (19 (19 (19 (19 (19 (19 (19 (19 (19		7 10.3 lbf·in	
installation altitude at height above sea level maximum amblent temperature • during operation • 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 storage according to IEC 60721 • during transport according to IEC 60721 • PROFINET standard • PROFINET standard • PROFINET standard • PROFIBUS  Ves  Yes  Modbus RTU • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS  Ves  Ves  Ves  Ves  Ves  Ves  Ves  Ve			
ambient temperature  • during operation  • during storage and transport  • during peration according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  communication/ Protocol  communication/ Protocol  communication module is supported  • PROFINET standard  • PROFINET standard  • PROFIEIUS  Tyes  • PROFIEIUS  Tyes  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 KA  Type: Class RK5 / K5, max. 350 A; Iq = 10 KA  Type: Class RK5 / K5, max. 350 A; Iq = 10 KA			
<ul> <li>• during operation</li> <li>• during storage and transport</li> <li>• during storage and transport</li> <li>• during operation according to IEC 60721</li> <li>• during operation according to IEC 60721</li> <li>• during storage according to IEC 60721</li> <li>• during storage according to IEC 60721</li> <li>• during transport according to IEC 60721</li> <li>• during transport according to IEC 60721</li> <li>• during transport according to IEC 60721</li> <li>EMC emitted interference</li> <li>communication/Protocol</li> <li>communication module is supported</li> <li>• PROFINET standard</li> <li>• EtherNet/IP</li> <li>• Modbus RTU</li> <li>• Modbus RTU</li> <li>• Modbus TCP</li> <li>• PROFIBUS</li> <li>Ves</li> <li>• PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>• of circuit breaker</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Flant Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 450/480 V at inside-delta circuit according to UL</li> <li>• usable for Standard Faults at 450/480 V at inside-delta circuit according to UL</li> <li>• usable for Standard Faults at 450/480 V at inside-delta circuit according to UL</li> <li>• usable for Standard Faults at 450/480 V at inside-delta circuit according to UL</li> <li>• usable for Standard Faults at 575/600 V according to UL</li> <li>• usable for Standard Faults at 575/600 V according to UL</li> <li>• usable for Flant Faults at 450/480 V at inside-delta circuit according to UL</li> <li>• usable for Standard Faults at 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for Flant Faults at 450/480 V at inside-delta circuit according to UL</li> <li>• Type: Class RK5 / K5, max. 350 A; Iq = 10 kA</li> <li>Type: Class RK5 / K5, max. 350 A; Iq = 10 kA</li> <li>Type: Class RK5 / K5, max. 350 A; Iq = 10 kA</li> </ul>		5 000 m; Derating as of 1000 m, see catalog	
oluring storage and transport     environmental category     oluring operation according to IEC 60721     oluring storage according to IEC 60721     oluring storage according to IEC 60721     oluring transport according to IEC 60721     oluring transport according to IEC 60721     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     EMC emitted interference     oluring transport according to IEC 60721     Semens type: 3VA52, max. 250 A; Iq = 10 kA     Siemens type: 3VA52, max. 250 A; Iq = 10	•		
<ul> <li>• during storage and transport</li> <li>• during operation according to IEC 60721</li> <li>• during operation according to IEC 60721</li> <li>• during storage according to IEC 60721</li> <li>• during storage according to IEC 60721</li> <li>• during transport according to IEC 60721</li> <li>• EMC emitted interference</li> <li>• Communication/ Protocol</li> <li>• Communication module is supported</li> <li>• PROFINET standard</li> <li>• PROFIBUS</li> <li>• Modbus RTU</li> <li>• Modbus TCP</li> <li>• PROFIBUS</li> <li>• PROFIBUS</li> <li>• Ves</li> <li>• PROFIBUS</li> <li>• UL/CSA ratings</li> <li>manufacturer's article number</li> <li>• of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 4575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults up to 575/600 V accordi</li></ul>	during operation		
environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  communication Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • PROFIBUS  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V alinside-deltai circuit according to UL  — usable for Fandard Faults at 450/480 V alinside-deltai circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	during storage and transport		
during operation according to IEC 60721     during storage according to IEC 60721     during storage according to IEC 60721     during transport according to IEC 60721  EMC emitted interference  Communication Protocol  Communication module is supported     PROFINET standard     PROFINET standard     PROFIBUS  Modbus RTU     Modbus RTU     Nodebus TCP     PROFIBUS  Manufacturer's article number     of circuit breaker     usable for Standard Faults at 460/480 V according to UL     usable for High Faults at 460/480 V at inside-delta circuit according to UL     usable for High Faults at 575/600 V according to UL     usable for Standard Faults at 575/600 V according to UL     usable for Standard Faults at 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults at inside-delta Circuit according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults		40 100 O	
mist), 352 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inito the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 3M6  2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m)  acc. to IEC 60947-4-2: Class A   Yes  Yes  Yes  Yes  1U.CSA ratings  manufacturer's article number  • of circuit broaker  • of circuit according to UL  • of the fuse  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA		3K6 (no ice formation, only occasional condensation), 3C3 (no salt	
oduring transport according to IEC 60721  EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication/ Protocol  communication module is supported  PROFINET standard  PROFINET standard  PROFINET standard  PROFIBUS  Modbus RTU  Modbus TCP  PROFIBUS  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  of the fuse  usable for Standard Faults at 575/600 V according to UL  standard Faults at 575/600 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults at 575/600 V according to UL  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	a during operation according to 120 con 21		
e during transport according to IEC 60721  EMC emitted interference  communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  Wes  PROFIBUS  Wes  Ves  Yes  Yes  Ves  Ves  Ves  Ves  V	<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must	
EMC emitted interference  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  Ves  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA			
Communication module is supported  PROFINET standard  PROFINET standard  PROFINET standard  Profined Profile P		not get inside the devices), 1M4	
communication module is supported  PROFINET standard PROFINET standard Pres Modbus RTU Pres Modbus TCP PROFIBUS Yes PROFIBUS  Wes PROFIBUS  Wes PROFIBUS  Wes  Ves  Ves Ves Ves Ves Ves Ves Ves Ves		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
PROFINET standard EtherNet/IP Modbus RTU PROFIBUS  PROFIBUS  Wes  Modbus TCP PROFIBUS  Wes  UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL  of the fuse — usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V according to UL  of the fuse — usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS   Manufacturer's article number     of circuit breaker     usable for Standard Faults at 460/480 V according to UL     usable for Standard Faults at 460/480 V at inside-delta circuit according to UL     usable for High Faults at 460/480 V at inside-delta cording to UL     usable for Standard Faults at 460/480 V at inside-delta circuit according to UL     usable for Standard Faults at 460/480 V at inside-delta circuit according to UL     usable for Standard Faults at 575/600 V according to UL     usable for Standard Faults at 575/600 V according to UL     usable for Standard Faults at 575/600 V according to UL     usable for Standard Faults at 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for High Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL     usable for Standard Faults up to 575/600 V according to UL	EMC emitted interference Communication/ Protocol	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
Modbus RTU Modbus TCP PROFIBUS  Yes  Yes  Yes  Ves  UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL  of the fuse — usable for Standard Faults up to 575/600 V according to UL  of the fuse — 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 Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL — Usable for Standard Faults up to 575/600 V according to UL	EMC emitted interference Communication/ Protocol	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
Modbus TCP PROFIBUS  PROFIBUS  Pres  Yes  Yes  Yes  UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V aliaside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at 460/480 V according to UL  — usable for Standar	EMC emitted interference  Communication/ Protocol  communication module is supported	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A	
● PROFIBUS  Was Dul'CSA ratings  manufacturer's article number  ● of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults up to 575/600 V	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes	
manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  of the fuse  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes	
manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  of the fuse  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usab	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes	
<ul> <li>of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V a inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA</li> </ul>	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes	
<ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta</li> <li>— Usable for Standard Faults at inside-delta</li> </ul>	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes	
according to UL  — usable for High Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes	
to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes	
inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • 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 Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes	
delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • 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 Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
inside-delta circuit 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 Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta</li> <li>Type: Class RK5 / K5, max. 350 A; Iq = 10 kA</li> <li>Type: Class RK5 / K5, max. 350 A; Iq = 10 kA</li> </ul>	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
<ul> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta</li> <li>Type: Class J / L, max. 350 A; Iq = 100 kA</li> <li>Type: Class RK5 / K5, max. 350 A; Iq = 10 kA</li> </ul>	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
— usable for Standard Faults at inside-delta	EMC emitted interference  Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
circuit up to 575/600 V according to UL	EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for High Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for High Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  usable for Standard Faults up to 575/600 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	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	

<ul> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 350 A; Iq = 100 kA			
operating power [hp] for 3-phase motors				
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	30 hp			
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	30 hp			
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	75 hp			
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	50 hp			
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	60 hp			
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	125 hp			
contact rating of auxiliary contacts according to UL	R300-B300			
Safety related data				
protection class IP on the front according to IEC 60529	IP00; IP20 with cover			
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover			
electromagnetic compatibility	in accordance with IEC 60947-4-2			
Certificates/ approvals				
General Product Approval		EMC		



Confirmation









**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

## **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5234-6TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5234-6TC14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5234-6TC14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5234-6TC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5234-6TC14/char

Characteristic: Installation altitude

 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5234-6TC14\&objecttype=14\&gridview=view1.pdf.$ 

Simulation Tool for Soft Starters (STS)

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

last modified: 4/10/2022 🖸