## SIEMENS

## Data sheet

## 3RW4435-6BC44



SIRIUS soft starter Values at 400 V, 40 °C standard: 134 A, 75 kW Inside-delta: 232 A, 132 kW 200-460 V AC, 230 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5535-6HA14<<

General technical data		
product brand name		SIRIUS
product feature		
integrated bypass contact system		Yes
thyristors		Yes
product function		
intrinsic device protection		Yes
ministe device protection     motor overload protection		Yes
evaluation of thermistor motor protection		Yes
external reset		Yes
		Yes
adjustable current limitation		
inside-delta circuit		Yes
product component motor brake output	14	Yes
insulation voltage rated value	V	690 0
degree of pollution		3, acc. to IEC 60947-4-2
reference code according to EN 61346-2		Q
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		G
Power Electronics		
product designation		Soft starter
operational current		
• at 40 °C rated value	А	134
<ul> <li>at 50 °C rated value</li> </ul>	А	117
• at 60 °C rated value	А	100
operational current for 3-phase motors at inside-delta circuit		
• at 40 °C rated value	А	232
• at 50 °C rated value	А	203
• at 60 °C rated value	А	173
yielded mechanical performance for 3-phase motors		
• at 230 V		
— at standard circuit at 40 °C rated value	kW	37
- at inside-delta circuit at 40 °C rated value	kW	75
• at 400 V		
— at standard circuit at 40 °C rated value	kW	75
— at inside-delta circuit at 40 °C rated value	kW	132
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	30
operating frequency rated value	Hz	50 60
relative negative tolerance of the operating frequency	%	-10
relative positive tolerance of the operating frequency	%	10

operating voltage at standard circuit rated value	V	200 460
relative negative tolerance of the operating voltage at standard circuit	%	-15
relative positive tolerance of the operating voltage at standard circuit	%	10
operating voltage at inside-delta circuit rated value	V	200 460
relative negative tolerance of the operating voltage at inside-delta circuit	%	-15
relative positive tolerance of the operating voltage at inside-delta circuit	%	10
minimum load [%]	%	8
adjustable motor current for motor overload protection minimum rated value	А	26
continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during operation typical	W	76
Control circuit/ Control		
type of voltage of the control supply voltage		AC
control supply voltage frequency 1 rated value	Hz	50
control supply voltage frequency 2 rated value	Hz	60
relative negative tolerance of the control supply voltage frequency	%	-10
relative positive tolerance of the control supply voltage frequency	%	10
control supply voltage 1 at AC		
• at 50 Hz rated value	V	230
• at 60 Hz rated value	V	230
relative negative tolerance of the control supply voltage at AC at 50 Hz	%	-15
relative positive tolerance of the control supply voltage at AC at 50 Hz	%	10
relative negative tolerance of the control supply voltage at AC at 60 Hz	%	-15
relative positive telerance of the control cumply veltage at	%	10
relative positive tolerance of the control supply voltage at AC at 60 Hz	70	10
	70	Display
AC at 60 Hz	70	
AC at 60 Hz display version for fault signal	mm	
AC at 60 Hz display version for fault signal Mechanical data		Display
AC at 60 Hz display version for fault signal Mechanical data width	mm	Display 170
AC at 60 Hz display version for fault signal Mechanical data width height	mm	Display 170 200
AC at 60 Hz display version for fault signal Mechanical data width height depth	mm	Display 170 200 270
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method	mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position	mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting	mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards	mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5 75
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5 75 500
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5 75 500
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5 75 500 3
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5 75 500 3 busbar connection
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5 75 500 3 busbar connection screw-type terminals
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts	mm mm mm mm mm	Display          170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection screw-type terminals         0
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	mm mm mm mm mm	Display          170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection         screw-type terminals         0         3
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts	mm mm mm mm mm	Display          170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection screw-type terminals         0
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point	mm mm mm mm mm	Display 170 200 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 100 5 75 500 3 busbar connection screw-type terminals 0 3 1
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • finely stranded with core end processing	mm mm mm mm mm	Display          170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection         screw-type terminals         0         3         16         16         16
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit of or auxiliary and control circuit number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • finely stranded with core end processing • finely stranded without core end processing	mm mm mm mm mm	Display          170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection         screw-type terminals         0         3         1         16 70 mm²         16 70 mm²
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • finely stranded with core end processing	mm mm mm mm mm	Display          170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection         screw-type terminals         0         3         16         16         16
AC at 60 Hz display version for fault signal Mechanical data width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point	mm mm mm mm mm	Display          170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection         screw-type terminals         0         3         1         16 70 mm²         16 70 mm²
AC at 60 Hz display version for fault signal <u>Mechanical data</u> width height depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards wire length maximum number of poles for main current circuit <u>Connections/Terminals</u> type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main	mm mm mm mm mm	Display         170         200         270         screw fixing         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         100         5         75         500         3         busbar connection         screw-type terminals         0         3         1         16 70 mm²         16 70 mm²

Image: section of consentials conductor cross sections for ANC     msx. is to mrrf, is 70 mr²       Image: section of consentials conductor cross sections for ANC     s	stranded		16 70 mm²	
Cincles for box terminal using both camping points       max. 1s 50 mm², 1s 70 mm²         • finely stranded with out ore and processing       max. 1s 50 mm², 1s 70 mm²         • using the back camping point       s20         • using both camping point       s20         • stranded       s20         • using both camping point       s20         • finely stranded       s20         • finely stranded       s20         • finely stranded with out or ond processing       Z25 mm²)         • for auxiliary contacts       Z20 kcmi         • for auxiliary contacts       Z25 kcmi         • for auxiliary contacts       Z25 kcmi         • for auxiliary contacts       Z20 kcmi         • for auxiliary contacts       Z20 kcmi         • for auxiliary contacts       Z	type of connectable conductor cross-sections for main			
<ul> <li>enclose standard without core and processing standard with standard with core and processing standard with core and s</li></ul>				
• strained     max: 2x 70 mm <sup>2</sup> Upper formatic contacts for box ferminal     6       • using the foot clamping point     6       • using the foot clamping point     6       • formatic contacts     16       • formatic contacts for box ferminal     16       • formatic contacts for cross-sections for DIN cable     16       • formatic contacts     18       • formatic contacts     2x (0.5       • formatic contacts     2x (0.5       • for matic contacts     4       • for auxiliary contacts     2x (20       • for auxiliary conta				
append formanic bit is connectable conductor cross-sections for ANG design for main contacts for too stremmal using the back clamping point using the back clamping point using the ford clamping point using point using point using point using the ford clamping point using the ford clamping point using point using point using the				
Cables for main contacts for hox terminal     Image of the contact damping point     620       I using the foot damping point     020       I using the foot damping point     025 mm²       I using the foot damping point     1065 mm²       I using the foot damping point     2X (0.525 mm²)       I using the foot damping point     2X (0.525 mm²)       I using the foot damping point     2X (0.525 mm²)       I using the foot damping point     2X (0.525 mm²)       I using the foot damping point     2X (0.525 mm²)       I using the foot damping point     2X (0.525 mm²)       I using the foot data finded with core and processing     2X (0.525 mm²)       I using the foot data findeg the stranded with core and processing     2X (0.525 mm²)       I using the foot data findeg to any contacts     2X (0.525 mm²)       I using the foot data findeg to any contacts     2X (0.516 mm²)       I using the foot data findeg to any contacts     2X (0.516 mm²)       I using the foot data findeg to any contacts     2X (0.516 mm²)       I using the foot data findeg to any contacts     2X (0.516 mm²)       I using the foot data findeg to any contacts     2X (0.516 m²)       I using the foot data findeg to any contact			max. 2x 70 mm <sup>2</sup>	
e. sug the forth clamping point     620       e. sug the forth clamping point     max. 2x 10       reg of connectable conductor cross-sections for DN cable     1695 mm²       standed     25120 mm²       constraint contacts     24.0525 mm²       standed     24.0525 mm²       constraint contacts     24.0515 mm²       end in contacts     24.0015 mm²       end in contacts     24.0010 mm²       end in contacts     10.00 contacts       end in contacts				
e. using both damping points     max. 2x 10       type of connectable conductor cross-sections for DN cable is standed     16 95 mm²       e. standed     25 120 mm²       view of connectable conductor cross-sections for AWG intely standed with core end processing     2x (0.5 25 mm²)       view of connectable conductor cross-sections for AWG intely standed with core end processing     4 250 kcmil       view of connectable conductor cross-sections for AWG intely standed with core end processing     2x (20 13 mm²)       view of connectable conductor cross-sections for AWG intely standed with core end processing     2x (20 13 mm²)       view of connectable conductor cross-sections for AWG intel transling contacts     4 250 kcmil       i for auxiliary contacts     2x (20 14)       i for auxiliary contacts     2x (20 14)       i for auxiliary contacts     2x (20 15 mm²)       i for auxiliary contacts     2x (20 14)       i for auxiliary contacts     2x (20 14)       i for auxiliary contacts     2x (20 14)       i for auxiliary contacts     4 250 kcmil       i for auxiliary contacts     4 250 kcmil       i for auxiliary contacts     5 000       i for auxiliary contacts     6 000 <t< td=""><td><ul> <li>using the back clamping point</li> </ul></td><td></td><td>6 2/0</td><td></td></t<>	<ul> <li>using the back clamping point</li> </ul>		6 2/0	
https://withoutsais.upper/interview     16 95 mm <sup>2</sup> interview     25 120 mm <sup>2</sup> interview     25 120 mm <sup>2</sup> interview     25 120 mm <sup>2</sup> interview     25 125 mm <sup>2</sup> interview     25 12	<ul> <li>using the front clamping point</li> </ul>		6 2/0	
Ling for main contacts       I for an stranded       16 66 mm <sup>-1</sup> • stranded       25 120 mm <sup>-1</sup> • stranded       25 120 mm <sup>-1</sup> • stranded       25 120 mm <sup>-1</sup> • for parameter in the processing       24 (0.5 2.5 mm <sup>-1</sup> )         • for main contacts       4 250 kcm <sup>-1</sup> • for main contacts       5 000         • for main contacts       4 250 kcm <sup>-1</sup> • during poperation       10 C C 0721         • du	<ul> <li>using both clamping points</li> </ul>		max. 2x 1/0	
• standed       25 120 mm²         type of connectable conductor cross-sections for auxiliary in fight standed with core end processing       2x (0.5 1.5 mm²)         in or processing in the processing interval in the processing interval interv	51	Ð		
type of connectable conductor cross-sections for auxiliary <ul> <li>solid</li> <li>there is standed with core and processing</li> <li>there is standed with core and processing</li> <li>there is standed with core and processing</li> <li>the rank contacts</li> <li>the rank</li></ul>	<ul> <li>finely stranded</li> </ul>			
contacts			25 120 mm²	
<ul> <li>solid         <ul> <li>solid             <li>thely standed with core and processing             <ul> <li>arrely standed with core and processing                 <ul> <li>arrely standed with core and processing                     <ul></ul></li></ul></li></ul></li></li></ul></li></ul>				
true contractable conductor cross-sections for AVG section and contracts       4 250 kcmill         • for main contacts       4 250 kcmill         • for main contacts       2 x (20 14)         • during strange contains in bit for for to the cording to IEC 60529       2 x (-0 14)         • for formation on the for the for the cording to IEC 60529       1 PO0(1P20 with box terminal/cover         • for formation on the for the for the cording to IEC 60529       1 PO0(1P20 with box terminal/cover         • for formation       for formation       for formation         • for formation       fore formation       for formation			2x (0.5 2.5 mm²)	
cioles       4 250 kcmili         • for auxiliary contacts       2x (20 14)         • for auxiliary contacts       2x (20 14)         • for auxiliary contacts       2x (20 16)         • tor auxiliary contacts       1 x (20 kcmili         • toriauxiliary contacts       1 x (20 kcmili         • during torage according to IEC 60721       242, 2C1, 251, 242 (20 kcm at mist), 152 (sand must not get inside the devices), 114         • during storage according to IEC 60721       3 K6 (no formation of ice, no contensation), CC2 (no salt mist), 152 (sand must not get inside the devices), 314         • during storage       * C       60	<ul> <li>finely stranded with core end processing</li> </ul>		2x (0.5 1.5 mm²)	
• for auxiliary contacts       2x (20 14)         • for auxiliary contacts finely stranded with core end processing       2x (20 16)         • transmission conditions       • for auxiliary contacts         • transport according to lEC 60721       0         • during storage according to lEC 60721       242, 22, 1, 251, 2M2 (max. fall height 0.3 m)         • during storage according to lEC 60721       242, 22, 1, 251, 2M2 (max. fall height 0.3 m)         • during storage according to lEC 60721       242, 22, 1, 251, 2M2 (max. fall height 0.3 m)         • during storage according to lEC 60721       242, 22, 1, 251, 2M2 (max. fall height 0.3 m)         • during storage according to lEC 60721       242, 22, 1, 251, 2M2 (max. fall height 0.3 m)         • during storage according to lEC 60721       242, 22, 1, 251, 2M2 (max. fall height 0.3 m)         • during storage according to lEC 60721       242, 22, 1, 251, 2M2 (max. fall height 0.3 m)         • during storage according to lEC 60721       0         • during storage       - C       60         • during storage       - C		_		
• or subling contacts finely stranded with core end processing       2x (20 16)         • transition attitude at height above sea level environmental category       n       5 000         • environmental category       2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)       1K6 (nof) occasional condensation, 1C2 (no salt mish), 1S2 (sand must not get inside the devices), 3M4         • during storage according to IEC 60721       3K6 (no formation of ice, no condensation), 1C2 (no salt mish), 1S2 (sand must not get inside the devices), 3M4         • during operation       °C       60         • during operation according to IEC 60721       9K6 (no formation of ice, no condensation), 3C3 (no salt mish), 1S2 (sand must not get inside the devices), 3M4         • during operation       °C       60         • during operation according to IEC 60523       1PO0; (P20 with box terminal/cover         • during operation on the front according to IEC 60529       1PO0; (P20 with box terminal/cover         • during operation       °C       40         • protection on the front according to IEC 60529       1PO0; (P20 with box terminal/cover         • toruther of toer for entice       1PO0; (P20 with box terminal/cover         • toruther of toer for entice       0         • confirmation       • confirmation         • confirmation       • confirmation         • confirmation       • confirmation         • confir	for main contacts		4 250 kcmil	
Institution attitude at height above sea level         n         5 000           environmental category <ul> <li>during stransport according to IEC 60721</li> <li>during operation according to IEC 60529</li> <li>to C</li> <li>during strange</li> <li>during operation according to IEC 60529</li> <li>to C</li> <li>defineation</li> <li>during themperature</li> <li>during approals</li> <li>cc</li> <li>defineation</li> <li>during to the front according to IEC 60529</li> <li>to C</li> <li>defineation</li> <li>to Confirmation</li> <li>cc</li> <li>during to the front according to IEC 60529</li> <li>to confirmation</li> <li>cc</li> <li>during to the front according to IEC 60529</li> <li>to confirmation</li> <li>cc</li> <li>confirmation</li> <li>cc</li> <li>confirmation</li> <li>cc</li> <li>confirmation</li> <li>cc</li> <li>confirmation</li> <li>confirmation</li> <li>fee</li> <li>confirmation</li> <li>fee</li></ul>	<ul> <li>for auxiliary contacts</li> </ul>		2x (20 14)	
Installation attrude at height above sea level     m     5 000       environmental category     euring storage according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)       • during storage according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m)     1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), IM4       ambient temperature     • during operation     3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get inside the devices), IM4       arting temperature     • C     60       • during storage     °C     40       protection class IP on the front according to IEC 60529     IPO0; IP20 with box terminal/cover       touch protection on the front according to IEC 60529     IPO0; IP20 with box terminal/cover       ceneral Product Approval     EMC       Centimation     Confirmation       Confirmation     Centimation:       Confirmation     Special Test Centificate       Marine / Shipping     Tree Test Centificate       Marine / Shipping     Confirmation       Lis     Special Test Centificate       Marine / Shipping     Confirmation			2x (20 16)	
Installation altitude at height above sea level     m     5 000       environmental category <ul> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during operation according to IEC 60721</li> <li>during operation according to IEC 60721</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during storage</li> <li>during operation</li> <li>during storage</li> <li>during the fort according to IEC 60529</li> <li>to the fort according to IEC 60529</li> <li>to the fort according to IEC 60529</li> <li>to IEC 60529</li> <li>IEC 60529</li></ul>				
environmental category         • during transport according to IEC 60721       2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)         • during storage according to IEC 60721       3K6 (not) accasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4         • during operation according to IEC 60721       3K6 (not formation of tee, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6         ambient temperature       • C       60         • during operation       ° C       60         • during storage       ° C       60         • during storage       ° C       40         protection class IP on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         touch protection on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         Striffcates/ approvals       EMC         General Product Approval       EMC         Exc       Confirmation         Ccc       Special Test Centificates         Marine / Shipping       Type, Test Centificates         Marine / Shipping       Special Test Centificates         Marine / Shipping <td></td> <td>m</td> <td>5 000</td> <td></td>		m	5 000	
• during storage according to IEC 60721       1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inisize the devices), 1M4         • during operation according to IEC 60721       SK6 (on obrmation of loe, no condensation), 1C2 (no salt mist), 3S2 (sand must not get into the devices), 1M4         ambient temperature       °C       60         • during operation       °C       60         • during storage       °C       60         • during storage       °C       40         protection class IP on the front according to IEC 60529       °C       40         protection on the front according to IEC 60529       Inger-safe, for vertical contact from the front with box terminal/cover         touch protection on the front according to IEC 60529       EMC         Centificates/ approvals       EMC         General Product Approval       EMC         Excert       Confirmation         Excert       Special Test Centific at				
• during operation according to IEC 60721     (sand must not get inside the devices), 1M4       • during operation     SK6 (no formation of ice, no condensation), 3C3 (no sait mist), 3S2 (and must not get into the devices), 3M6       ambient temperature     • C     60       • during operation     ° C     60       • during operation     ° C     40       protection class IP on the front according to IEC 60529     IP00, IP20 with box terminal/cover       touch protection on the front according to IEC 60529     IP00, IP20 with box terminal/cover       confirmation     ° C     40       protection of the front according to IEC 60529     IP00, IP20 with box terminal/cover       confirmation     ° C     40       protection of Conformity     Total Confirmation     EMC       Confirmation     Confirmation     EMC       Confirmation     Type Test Centificates     Marine / Shipping       Confirmation     Special Test Centificate     ate       Marine / Shipping     If the front second conformity     If the front second conformity       Marine / Shipping     If the front second conformity     If the front second conformity       Marine / Shipping     If the front second conformity     If the front second conformity       Marine / Shipping     If the front second conformation     If the front second conformation       Marine / Shipping <td< td=""><td></td><td></td><td>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3</td><td>m)</td></td<>			2K2, 2C1, 2S1, 2M2 (max. fall height 0.3	m)
• during operation according to IEC 60721     3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6       ambient temperature     °C     60       • during storage     °C     40       protection class IP on the front according to IEC 60529     °C     40       protection class IP on the front according to IEC 60529     °C     40       protection class IP on the front according to IEC 60529     °C     40       protection class IP on the front according to IEC 60529     °C     100       touch protection on the front according to IEC 60529     °C     100       confirmation     °C     40     °C       confirmation     ©C     100     °C     100       confirmation     ©C     0     °C     100       confirmation     ©C     0     °C     100       confirmation     ©C     ©C     0     °C       confirmation     ©C     ©C     Marine / Shipping       Confirmation     ©C     Secial Test Certific ates     No       confirmation     ©C     ©C     Secial Test Certific ate       startie / Shipping     ©C     ©C     Secial Test Certific ate       use     Startiest Report     Secial Test Certific ate     No       use     ©C	during storage according to IEC 60721			
ambient term perature     352 (sand must not get into the devices), 3M6       ambient term perature     C     60       - during storage     °C     25 +80       derating temperature     °C     40       protection class IP on the front according to IEC 60529     IP00; IP20 with box terminal/cover       touch protection on the front according to IEC 60529     IP00; IP20 with box terminal/cover       confirmation     C     40       Centeral Product Approvals     EMC       Centeral Product Approvals     EMC       Declaration of Conformity     Test Certificates       Declaration of Conformity     Test Certificates       Marine / Shipping     Ifve Test Certificates	during operation according to IEC 60721			
• during operation • during storage     °C     60       • during storage     °C     40       protection class IP on the front according to IEC 60529     °C     40       protection on the front according to IEC 60529     °C     40       cuch protection on the front according to IEC 60529     °C     40       cuch protection on the front according to IEC 60529     °C     1000; IP20 with box terminal/cover       cuch protection on the front according to IEC 60529       Confirmation       Confirmation       Effect       Confirmation				
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yielded mechanical performance [hp] for 3-phase AC motor		
• at 200/208 V		
- at inside-delta circuit at 50 °C rated value	hp	60
• at 220/230 V		
- at standard circuit at 50 °C rated value	hp	40
- at inside-delta circuit at 50 °C rated value	hp	75
• at 460/480 V		
— at standard circuit at 50 °C rated value	hp	75
- at inside-delta circuit at 50 °C rated value	hp	150
contact rating of auxiliary contacts according to UL		B300 / R300
•		

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Simulation Tool for Soft Starters (STS)

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

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=3RW4435-6BC44

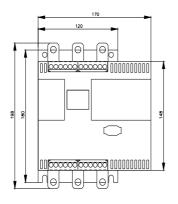
Cax online generator

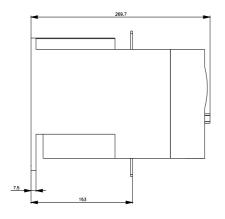
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4435-6BC44

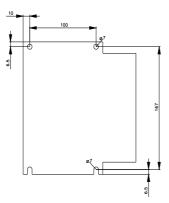
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

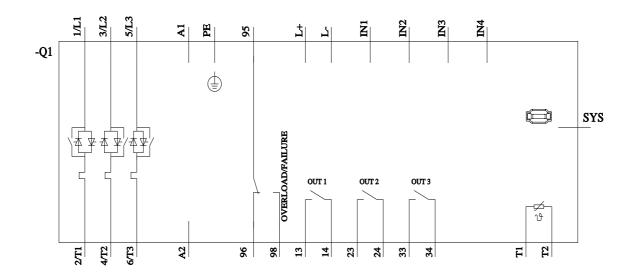
https://support.industry.siemens.com/cs/ww/en/ps/3RW4435-6BC44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4435-6BC44&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4435-6BC44&lang=en</a>









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