## **SIEMENS**

**Data sheet** 3RW4426-1BC44



SIRIUS soft starter Values at 400 V, 40 °C standard: 77 A, 37 kW Inside-delta: 133 A, 75 kW 200-460 V AC, 230 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5526-1HA14<<

General technical data				
product brand name		SIRIUS		
product feature				
<ul> <li>integrated bypass contact system</li> </ul>		Yes		
<ul><li>thyristors</li></ul>		Yes		
product function				
<ul> <li>intrinsic device protection</li> </ul>		Yes		
<ul> <li>motor overload protection</li> </ul>		Yes		
<ul> <li>evaluation of thermistor motor protection</li> </ul>		Yes		
external reset		Yes		
<ul> <li>adjustable current limitation</li> </ul>		Yes		
• inside-delta circuit		Yes		
product component motor brake output		Yes		
insulation voltage rated value	V	690		
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				
<ul> <li>at 40 °C rated value</li> </ul>	Α	77		
<ul> <li>at 50 °C rated value</li> </ul>	Α	68		
<ul> <li>at 60 °C rated value</li> </ul>	Α	59		
operational current for 3-phase motors at inside-delta circuit				
<ul> <li>at 40 °C rated value</li> </ul>	Α	133		
<ul> <li>at 50 °C rated value</li> </ul>	Α	118		
<ul> <li>at 60 °C rated value</li> </ul>	Α	102		
yielded mechanical performance for 3-phase motors • at 230 V				
— at standard circuit at 40 °C rated value	kW	18.5		
— at inside-delta circuit at 40 °C rated value	kW	37		
● at 400 V				
<ul> <li>at standard circuit at 40 °C rated value</li> </ul>	kW	37		
— at inside-delta circuit at 40 °C rated value	kW	75		
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	20		
operating frequency rated value	Hz	50 60		
	1.12	00 111 00		
relative negative tolerance of the operating frequency	%	-10		

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voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal  Mechanical data  width height depth mm 170 fastening method mounting position  mm 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tillable to the front and back  at the side downwards mm 55 vire length maximum number of poles for main current circuit for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO 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 solid finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing stranded finely st	voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal    Mechanical data	at 60 Hz rated value	V	230
relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal Display    Mechanical data	relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal    Mechanical data		%	-15
relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal  Mechanical data  width	relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal  Mechanical data  Width mm 170 height mm 192 depth screw fixing mounting position  Frequired spacing with side-by-side mounting  • upwards • at the side • downwards wire length maximum number of poles for main current circuit  • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts   10  10  10  10  10  10  10  10  10	relative positive tolerance of the control supply	%	10
voltage at 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  • for auxiliary and control circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid • finely stranded without core end processing • stranded  Display  170  170  170  170  170  170  170  17	voltage at 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 • for auxiliary and control circuit number of NC contacts for auxiliary contacts  Display  April 170  Prom 170  Prom 170  Prom 170  Display  Prom 170  Prom 170  Prom 170  Down 170	relative negative tolerance of the control supply	%	-15
Mechanical data       width     mm     170       height     mm     192       depth     mm     270       fastening method     screw fixing       mounting position     with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back       required spacing with side-by-side mounting     mm     100       • upwards     mm     5       • downwards     mm     75       wire length maximum     m     500       number of poles for main current circuit     3       Connections/ Terminals       type of electrical connection     box terminal       • for auxiliary and control circuit     screw-type terminals       number of NC contacts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     3       number of NO contacts for auxiliary contacts     1       type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point     2.5 16 mm²       • solid     2.5 35 mm²       • finely stranded with core end processing     4 50 mm²       • stranded     4 70 mm²	Mechanical data       width     mm     170       height     mm     192       depth     mm     270       fastening method     screw fixing       mounting position     with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back       required spacing with side-by-side mounting     mm     100       • at the side     mm     5       • downwards     mm     75       wire length maximum     m     500       number of poles for main current circuit     3       Connections/ Terminals       type of electrical connection     box terminal       • for main current circuit     screw-type terminals       number of NC contacts for auxiliary contacts     0		%	10
width height depth mm 192 depth mm 192 fastening method screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards mm 100 • at the side mm 5 • downwards mm 55 wire length maximum mumber of poles for main current circuit 3  Connections/ Terminals  type of electrical connection • for main current circuit screw-type terminals number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for fox terminal using the front clamping point • solid 2.5 16 mm² • finely stranded with out core end processing • stranded • stranded • stranded	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  for auxiliary and control circuit number of NC contacts for auxiliary contacts  mm  170 mm  192 mm  270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  mm  100 mm  5 mm  5 wire length maximum number of poles for main current circuit  box terminal screw-type terminals  170 mm  192 mm  270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 92.5° tiltable to the front and back  mm  5 0  screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 90° rotatable, with vertical mo	display version for fault signal		Display
height depth mm 270 fastening method screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards • at the side • downwards wire length maximum number of poles for main current circuit • for auxiliary and control circuit • for main current circuit • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NC contacts for box terminal using the front clamping point • solid • finely stranded with core end processing • finely stranded without core end processing • stranded	height depth mm 192 depth mm 270 fastening method screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards • at the side • downwards • downwards mm 5  • wire length maximum number of poles for main current circuit  type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts  mm 192 mm 270 mm 270 mm 100 mm 100 mm 5  5 0  box terminal screw-type terminals 0	Mechanical data		
depth fastening method mounting position  mm 270 screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards • at the side • downwards mm 5 • downwards mm 75 wire length maximum number of poles for main current circuit  • for main current circuit • for auxiliary and control circuit number of NC 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 • solid • finely stranded with core end processing • finely stranded without core end processing • stranded  mm 100  m 500  mm 600  mm 500  mm 75  mm 500  mm 600  mm 75  mm 500  mm 75  mm 76  mm 500  mm 76  mm 500  mm 75  mm 76  mm 500  mm 76  screw-type terminals  1  1  2.5 16 mm²  2.5 35 mm²  4 50 mm²  4 50 mm²  4 50 mm²  4 70 mm²	depth fastening method mounting position  mm 270  screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards • at the side • downwards • downwards mm 5  wire length maximum number of poles for main current circuit  type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts  mm 270  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-	width	mm	170
fastening method with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards • at the side • downwards wire length maximum number of poles for main current circuit  type of electrical connection • for main current circuit • for auxiliary and control circuit 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 • solid • finely stranded with core end processing • finely stranded • stranded  screw fixing with vertical mounting surface +/-90° rotatable, with poor of the solid part of	fastening method mounting position  screw fixing with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  required spacing with side-by-side mounting  upwards at the side at the side downwards mm 5  wire length maximum number of poles for main current circuit  type of electrical connection for main current circuit for auxiliary and control circuit number of NC contacts for auxiliary contacts  screw-type terminals  uith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotata	height	mm	192
with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  mm 100  500  mm 500  mm 500  solve terminal  screw-type terminals  1 screw-type terminals  1 to the mounting surface +/-22.5° tiltable to the front and back  2.5 16 mm²  2.5 16 mm²  4 50 mm²  4 50 mm²  4 50 mm²  4 70 mm²	mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards • upwards • at the side • downwards • mm  75  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  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  required spacing with side-by-side mounting  mm  100  • at the side  mm  5  • downwards  mm  500  solventing to the front and back  by-side mounting surface +/- 22.5° tiltable to the front and back  mm  5  • downwards  mm  5  • downwards  solventing to the front and back  mm  5  • downwards  solventing to the front and back  mm  5  • downwards  solventing to the front and back  mm  5  • downwards  solventing to the front and back  mm  5  • downwards  solventing to the front and back  mm  5  • downwards  solventing to the front and back	depth	mm	270
required spacing with side-by-side mounting  • upwards • at the side • downwards wire length maximum number of poles for main current circuit  • for main current circuit • for auxiliary and control circuit 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 with core end processing • finely stranded • stranded  vertical mounting surface +/- 22.5° tiltable to the front and back  mmm 100  5  5  6  6  7  7  8  8  9  9  100  100  100  100  100  1	vertical mounting surface +/- 22.5° tiltable to the front and back  required spacing with side-by-side mounting  • upwards • at the side • downwards • downwards  • mm  5  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  vertical mounting surface +/- 22.5° tiltable to the front and back  mm  500  mm  500  box terminal  screw-type terminals	fastening method		screw fixing
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 type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • finely stranded with core end processing • stranded  back  mm 100  box  box terminal  screw-type terminals  1  1  1  2.5 16 mm²  2.5 35 mm²  4 50 mm²  4 50 mm²  4 50 mm²  4 70 mm²	required spacing with side-by-side mounting  • upwards • at the side • downwards • downwards  wire length maximum number of poles for main current circuit   type of electrical connection • for main current circuit • for auxiliary and control circuit  number of NC contacts for auxiliary contacts  mm 100 mm 5  0 mm 5  0 box terminal box terminals  box terminals  corew-type terminals	mounting position		
<ul> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>downwards</li> <li>mm</li> <li>5</li> <li>downwards</li> <li>mm</li> <li>75</li> <li>wire length maximum</li> <li>number of poles for main current circuit</li> <li>20</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>mm</li> <li>50</li> <li>mm</li> <li>50</li> <li>mm</li> <li>50</li> <li>mm</li> <li>50</li> <li>mm</li> <li>50</li> <li>mm</li> <li>50</li> <li>mm</li> <li>mm</li> <li>50</li> <li>mm</li> <li>mm</li> <li>mm</li> <li>mm</li> <li>stranded</li> <li>box terminal</li> <li>box terminal</li> <li>screw-type terminals</li> <li>1</li> <li>screw-type terminals</li> <li>1</li> <li>screw-type terminals</li> <li>1</li> <li>screw-type terminals</li> <li>1</li> <li>screw-type terminals</li> <li>2</li> <li>mm</li> <li>mm</li> <li>screw-type terminals</li> &lt;</ul>	<ul> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>downwards</li> <li>mm</li> <li>75</li> <li>wire length maximum</li> <li>number of poles for main current circuit</li> <li>3</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> </ul>			
<ul> <li>at the side</li> <li>downwards</li> <li>mm</li> <li>75</li> <li>wire length maximum</li> <li>number of poles for main current circuit</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point</li> <li>solid</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>stranded</li> </ul>	<ul> <li>at the side</li> <li>downwards</li> <li>mm</li> <li>75</li> <li>wire length maximum</li> <li>number of poles for main current circuit</li> <li>3</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>mm</li> <li>5</li> <li>mm</li> <li>50</li> <li>box terminal</li> <li>screw-type terminals</li> <li>0</li> </ul>			
<ul> <li>◆ downwards</li> <li>wire length maximum</li> <li>number of poles for main current circuit</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>◆ for main current circuit</li> <li>◆ for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point</li> <li>◆ solid</li> <li>◆ solid</li> <li>◆ finely stranded with core end processing</li> <li>◆ finely stranded without core end processing</li> <li>◆ stranded</li> </ul>	o downwards     wire length maximum     number of poles for main current circuit  Connections/ Terminals  type of electrical connection     o for main current circuit     o for auxiliary and control circuit     number of NC contacts for auxiliary contacts  mm     75  m     500  box terminal  box terminal  screw-type terminals  0	• upwards	mm	100
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 CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid • finely stranded with core end processing • finely stranded without core end processing • stranded  m 500  3  box terminal  screw-type terminals  0  1  1  2.5 16 mm²  2.5 35 mm²  4 50 mm²  4 50 mm²  4 70 mm²	wire length maximum number of poles for main current circuit  Connections/ Terminals  type of electrical connection		mm	
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 CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing • finely stranded without core end processing • stranded  • stranded  3  box terminal  box terminal  screw-type terminals  0  1  1  2.5 16 mm²  2.5 16 mm²  4 50 mm²  4 50 mm²  4 70 mm²	number of poles for main current circuit  Connections/ Terminals  type of electrical connection  of or main current circuit  for auxiliary and control circuit  number of NC contacts for auxiliary contacts  3  box terminal  screw-type terminals  0	<ul><li>downwards</li></ul>	mm	75
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  • solid  • finely stranded with core end processing • finely stranded without core end processing • stranded  • stranded	type of electrical connection  • for main current circuit  • for auxiliary and control circuit  number of NC contacts for auxiliary contacts  box terminal  screw-type terminals  0	_	m	500
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  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing  • finely stranded without core end processing  • stranded  box terminal  screw-type terminals  0  1  2.5 16 mm²  2.5 16 mm²  2.5 35 mm²  4 50 mm²  4 50 mm²  4 70 mm²	type of electrical connection  • for main current circuit box terminal  • for auxiliary and control circuit screw-type terminals  number of NC contacts for auxiliary contacts  0			3
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>for main current circuit</li> <li>screw-type terminals</li> <li>3</li> <li>1</li> <li>to main contacts or auxiliary contacts</li> <li>1</li> <li>2.5 16 mm²</li> <li>2.5 35 mm²</li> <li>4 50 mm²</li> <li>4 50 mm²</li> <li>4 70 mm²</li> </ul>	<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>box terminal</li> <li>screw-type terminals</li> <li>0</li> </ul>	Connections/ Terminals		
<ul> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> </ul> <ul> <li>screw-type terminals</li> <li>3</li> <li>1</li> <li>the mode of the mode</li></ul>	• for auxiliary and control circuit screw-type terminals  number of NC contacts for auxiliary contacts  0	type of electrical connection		
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  • solid • finely stranded with core end processing • finely stranded without core end processing • stranded  0 3 1 2.5 16 mm² 2.5 35 mm² 4 50 mm² 4 50 mm² 4 70 mm²	number of NC contacts for auxiliary contacts	for main current circuit		box terminal
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  • solid • finely stranded with core end processing • finely stranded without core end processing • stranded  3 1 2.5 16 mm² 2.5 35 mm² 4 50 mm² 4 50 mm² 4 70 mm²		<ul> <li>for auxiliary and control circuit</li> </ul>		screw-type terminals
number of CO contacts for auxiliary contacts  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid • finely stranded with core end processing • finely stranded without core end processing • stranded  1  2.5 16 mm²  2.5 35 mm²  4 50 mm²  4 50 mm²		number of NC contacts for auxiliary contacts		0
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing  • finely stranded without core end processing  • stranded  • stranded  2.5 16 mm²  2.5 35 mm²  4 50 mm²  4 70 mm²	number of NO contacts for auxiliary contacts 3	number of NO contacts for auxiliary contacts		3
main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing  • finely stranded without core end processing  • stranded  2.5 16 mm²  2.5 35 mm²  4 50 mm²  4 50 mm²	number of CO contacts for auxiliary contacts	number of CO contacts for auxiliary contacts		1
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>2.5 35 mm²</li> <li>4 50 mm²</li> <li>4 70 mm²</li> </ul>	main contacts for box terminal using the front	main contacts for box terminal using the front		
<ul> <li>finely stranded without core end processing</li> <li>stranded</li> <li>4 50 mm²</li> <li>4 70 mm²</li> </ul>	• solid 2.5 16 mm <sup>2</sup>	• solid		2.5 16 mm²
• stranded 4 70 mm²	• finely stranded with core end processing  2.5 35 mm <sup>2</sup>	<ul> <li>finely stranded with core end processing</li> </ul>		2.5 35 mm²
	• finely stranded without core end processing  4 50 mm²	<ul> <li>finely stranded without core end processing</li> </ul>		4 50 mm²
type of connectable conductor cross-sections for	• stranded 4 70 mm <sup>2</sup>	• stranded		4 70 mm²
main contacts for box terminal using the back clamping point		main contacts for box terminal using the back		

• solid		2,5 16 mm²
<ul> <li>finely stranded with core end processing</li> </ul>		2.5 50 mm²
<ul> <li>finely stranded without core end processing</li> </ul>		10 50 mm²
<ul><li>stranded</li></ul>		10 70 mm²
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points		
• solid		2x (2.5 16 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>		2x (2.5 35 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>		2x (4 35 mm²)
<ul><li>stranded</li></ul>		2x (4 50 mm²)
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal		
<ul> <li>using the back clamping point</li> </ul>		10 2/0
<ul> <li>using the front clamping point</li> </ul>		10 2/0
<ul> <li>using both clamping points</li> </ul>		2x (10 1/0)
type of connectable conductor cross-sections for auxiliary contacts		
• solid		2x (0.5 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>		2x (0.5 1.5 mm²)
type of connectable conductor cross-sections at AWG cables		
<ul> <li>for auxiliary contacts</li> </ul>		2x (20 14)
<ul> <li>for auxiliary contacts finely stranded with core end</li> </ul>		2x (20 16)
processing		
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
<ul> <li>during transport according to IEC 60721</li> </ul>		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
<ul> <li>during storage according to IEC 60721</li> </ul>		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
<ul> <li>during operation according to IEC 60721</li> </ul>		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature		
<ul> <li>during operation</li> </ul>	°C	60
<ul> <li>during storage</li> </ul>	°C	-25 +80
derating temperature	°C	40
protection class IP on the front according to IEC 60529		IP20
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front

Certificates/ approvals

**General Product Approval** 





Confirmation









**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Special Test Certificate

Type Test Certificates/Test Report





Marine / Shipping

other







Confirmation

## **UL/CSA** ratings yielded mechanical performance [hp] for 3-phase AC • at 200/208 V - at inside-delta circuit at 50 °C rated value hp 30 • at 220/230 V — at standard circuit at 50 °C rated value hp 20 at inside-delta circuit at 50 °C rated value hp 40 • at 460/480 V - at standard circuit at 50 °C rated value hp 50 - at inside-delta circuit at 50 °C rated value 75 hp contact rating of auxiliary contacts according to UL B300 / R300

## **Further information**

Simulation Tool for Soft Starters (STS)

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

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=3RW4426-1BC44

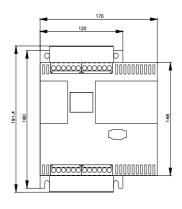
Cax online generator

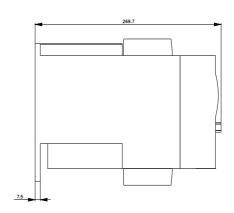
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4426-1BC44

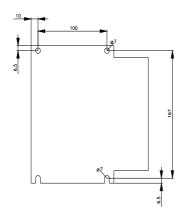
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

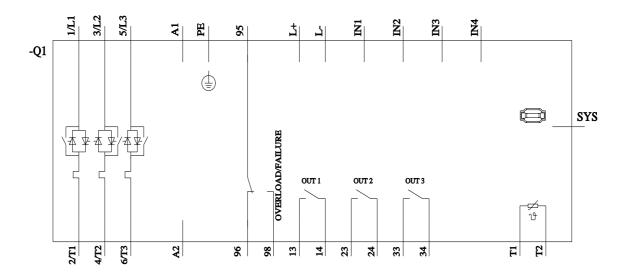
https://support.industry.siemens.com/cs/ww/en/ps/3RW4426-1BC44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4426-1BC44&lang=en









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