## SIEMENS

## Data sheet



SIRIUS soft starter Values at 400 V, 40 °C standard: 432 A, 250 kW Inside-delta: 748 A, 400 kW 200-460 V AC, 230 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5547-2HA14<<

3RW4447-2BC44

General technical data		
product brand name		SIRIUS
product feature		
<ul> <li>integrated bypass contact system</li> </ul>		Yes
thyristors		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
<ul> <li>inside-delta circuit</li> </ul>		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>	А	432
<ul> <li>at 50 °C rated value</li> </ul>	А	385
<ul> <li>at 60 °C rated value</li> </ul>	А	335
operational current for 3-phase motors at inside-delta circuit		
<ul> <li>at 40 °C rated value</li> </ul>	А	748
<ul> <li>at 50 °C rated value</li> </ul>	А	667
<ul> <li>at 60 °C rated value</li> </ul>	А	580
yielded mechanical performance for 3-phase motors • at 230 V		
— at standard circuit at 40 °C rated value	kW	132
— at inside-delta circuit at 40 °C rated value	kW	250
• at 400 V		
— at standard circuit at 40 °C rated value	kW	250
— at inside-delta circuit at 40 °C rated value	kW	400
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	125
operating frequency rated value	Hz	50 60
relative negative tolerance of the operating frequency	%	-10

operating voltage at standard circuit rated value         V         200400           relative positive foltrance of the operating voltage at standard circuit         5         -15           relative positive foltrance of the operating voltage at inside-delta circuit relative positive foltrance of the operating voltage at inside-delta circuit relative solutage at inside-delta circuit relative positive foltrance of the operating voltage at inside-delta circuit         V         200400           relative positive foltrance of the operating voltage at inside-delta circuit         5%         10           relative positive foltrance of the operating voltage at inside-delta circuit         5%         10           adjustable motor current for motor overload portection minimum rated value         6%         116           control supply voltage frequency / rated value         7%         116           control supply voltage frequency / rated value         142         60           control supply voltage frequency / rated value         142         60           relative positive foregamency         74         10           voltage frequency         74         200           relative positive foregamency         74         200           control supply voltage frequency         74         10           relative positive foregamency         140         10           relative positive foregamency <th></th> <th></th> <th></th>			
standard circuit         Pictuity positive tolerance of the operating voltage at standard circuit         9         10           relative positive tolerance of the operating voltage at inside-detit circuit         Y         200400           relative positive tolerance of the operating voltage at inside-detit circuit         %         15           relative positive tolerance of the operating voltage at inside-detit circuit         %         10           relative positive tolerance of the operating voltage at inside-detit circuit         %         10           relative positive tolerance of the operating voltage at inside-detit circuit         %         10           relative positive tolerance of the operating voltage control supply voltage frequency 1 rated value         %         115           power loss (W) voltage of the control supply voltage frequency         %         10           control supply voltage frequency 2 rated value         Hz         80           control supply voltage frequency 2 rated value         Hz         80           relative positive tolerance of the control supply         %         10           voltage frequency         %         10           voltage frequency         %         15           relative positive tolerance of the control supply         %         10           voltage frequency         %         10 <t< th=""><th>operating voltage at standard circuit rated value</th><th>V</th><th>200 460</th></t<>	operating voltage at standard circuit rated value	V	200 460
relative positive tolerance of the operating voltage at standard of crut operating voltage at inside-data circuit rated value relative negative tolerance of the operating voltage at inside-data circuit relative negative tolerance of the operating voltage at adjustable motor current for motor overload adjustable motor current for motor overload adjustable motor current for motor overload protection minimum load voltage at 0°C source of security voltage of the control supply voltage control supply voltage frequency 1 rated value frequency control supply voltage frequency 1 rated value frequency voltage frequency 1 rated value is at 00 kr rated value at 00 kr rated value is 00 kr rated value at 00 kr rated value at 00 kr rated value is 00 kr rated value at 00 kr rated value is 0		%	-15
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relative negative tolerance of the operating voltage at inside-offic (cruit)         %         -16           relative positive tolerance of the operating voltage at inside-offic (cruit)         %         10           minimum load [%]         %         10           adjustable motor current for motor overlaad protection minimum rated value         %         115           powerland (%)         115         %         115           powerland (%)         10         115         8           continuous operating current [% of l gl 4 0°C         %         115           powerland (%)         115         80         8           control supply voltage frequency 7 rated value         Hz         80         8           control supply voltage frequency 7 rated value         Hz         80         8           control supply voltage frequency 7 rated value         Hz         80         8           control supply voltage frequency 7 rated value         V         230         10           control supply voltage frequency 7 rated value         V         230         10           control supply voltage frequency 7 rated value         V         230         10           control supply voltage frequency 7         16         10         10           relative positive tolerance of the c	operating voltage at inside-delta circuit rated value	V	200 460
Inside-data circuit minimum and p(k) adjustable motor current for motor overload protection minimum rated value continuous operating current (¥ of 18] at 40 °C minimum rated value continuous operating current (¥ of 18] at 40 °C minimum rated value control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value Hz 50 control supply voltage frequency voltage frequency voltage frequency voltage frequency voltage frequency voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 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 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 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 required spacing with side-by-side mounting screw fining screw fining	relative negative tolerance of the operating voltage at	%	-15
adjustable motionum rated value     A     86       protection minimum rated value     A     86       continuous operating current (% of 18 14 0 °C     %     115       power loss (W) at operational current at 0 °C during     W     232       control supply voltage frequency 1 rated value     Hz     50       control supply voltage frequency 1 rated value     Hz     60       relative negative tolerance of the control supply     %     10       voltage of the control supply     %     10       voltage requency     730     230       control supply voltage of the control supply     %     10       voltage rated value     V     230       e at 60 Hz rated value     V     230       relative negative tolerance of the control supply     %     10       voltage at AC at 50 Hz     15     10       relative negative tolerance of the control supply     %     10       voltage at AC at 50 Hz     10     10       relative negative tolerance of the control supply     %     10       voltage at AC at 60 Hz     10     10       relative negative tolerance of the control supply     %     10       voltage at AC at 60 Hz     10     10       relative negative tolerance of the control supply     %     10		%	10
protection minimum rated value continuous operating current (% of lgl at 0°C yw 232 power loss (W) at operational current at 40 °C during operation typical  Control circuit/ Control  Type of voltage of the control supply voltage control supply voltage frequency 1 rated value Hz 60 control supply voltage frequency 2 rated value Hz 60 control supply voltage frequency 2 rated value Hz 60 control supply voltage frequency 1 rated value Hz 60 control supply voltage frequency 2 rated value Hz 60 control supply voltage frequency 2 rated value Hz 60 control supply voltage frequency 1 rated value Hz 60 control supply voltage frequency 2 rated value Hz 60 control supply voltage frequency 2 rated value Hz 60 control supply voltage frequency 6 control supply voltage frequency 7 relative positive tolerance of the control supply 7 10 voltage frequence 130 for rated value 7 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative apative tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance of the control supply 7 10 voltage at CA 15 relative positive tolerance 15 relative positive tolerance 15 relative positive tolerance 15	minimum load [%]	%	8
prover loss [W] at operational current at 40 °C during operation typical         V         232           Control circuit/ Control         V         232           Control circuit/ Control         K         Control supply voltage frequency 1 rated value         Hz         50           Control supply voltage frequency 1 rated value         Hz         60         relative negative tolerance of the control supply         %         10           voltage frequency         rated value         V         230         relative negative tolerance of the control supply         %         10           voltage frequency         rated value         V         230         relative negative tolerance of the control supply         %         10           voltage at A C at 50 Hz         V         230         relative negative tolerance of the control supply         %         10           voltage at A C at 50 Hz         V         230         relative negative tolerance of the control supply         %         10           voltage at A C at 50 Hz         Display         Display         Display           Mechanical data         mm         210         Section for tault signal           Mechanical data         mm         200         Section for tault signal         Section for tault signal           Mechanical data         mm		А	86
operation typical         AC           Control circuit? Control         Spp of voltage of the control supply voltage frequency 1 rated value         Hz         50           control supply voltage frequency 1 rated value         Hz         50         50           relative negative tolerance of the control supply         %         -10         50           voltage frequency         relative positive tolerance of the control supply         %         10         50           control supply voltage frequency         rated value         V         230         -         10           voltage af AC at 50 Hz         voltage af AC at 50 Hz         -         10         -         10           voltage af AC at 50 Hz         voltage af AC at 50 Hz         voltage af AC at 50 Hz         10         -	continuous operating current [% of le] at 40 °C	%	115
Control circuit/ Control         AC           Type of voltage of the 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         %         -10           voltage frequency         %         -10           control supply voltage to the control supply         %         -10           voltage frequency         %         10           control supply voltage 1 the control supply         %         -10           voltage frequency         v         230           control supply voltage 1 the Control supply         %         -15           relative positive tolerance of the control supply         %         -15           voltage at AC at 60 Hz         %         10           relative positive tolerance of the control supply         %         -15           voltage at AC at 60 Hz         mm         230           display vorsitive tolerance of the control supply         %         10           voltage at AC at 60 Hz         mm         230           display vorsitive tolerance of the control supply         %         10           voltage at AC at 60 Hz         mm         230           displ		W	232
type of voltage of the control supply voltage control supply voltage frequency 7 rated value relative negative tolerance of the control supply voltage frequency 7 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage at AC at 50 Hz         AC           • at 50 Hz rated value • at 60 Hz • at 61	operation typical		
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     %     -10       voltage frequency     10     -0       control supply voltage 1 at AC     *     450 Hz rated value       * et 60 Hz rated value     V     230       relative negative tolerance of the control supply     %     -15       voltage requency     -10     -10       relative negative tolerance of the control supply     %     -15       voltage at AC at 50 Hz     relative negative tolerance of the control supply     %     -15       voltage at AC at 50 Hz     relative negative tolerance of the control supply     %     -15       voltage at AC at 60 Hz     relative negative tolerance of the control supply     %     10       voltage at AC at 60 Hz     mm     230     -15       relative negative tolerance of the control supply     %     10     -15       voltage at AC at 60 Hz     mm     230     -16       display rescino for fault signal     Display     -16     -10       Mechanical data     mm     230     -16     -10       width     mm     230     -15     -10       number of No contacts for auxillary contacts </th <th>Control circuit/ Control</th> <th></th> <th></th>	Control circuit/ Control		
control supply voltage frequency 2 rated value     Hz     60       relative negative tolerance of the control supply     %     -10       voltage frequency     %     10       relative positive tolerance of the control supply     %     10       e it 60 Hz rated value     V     230       • it 60 Hz rated value     V     230       • it 60 Hz rated value     V     230       relative negative tolerance of the control supply     %     10       voltage at AC at 50 Hz     V     230       relative negative tolerance of the control supply     %     10       voltage at AC at 50 Hz     10     Voltage at AC at 50 Hz       relative negative tolerance of the control supply     %     10       voltage at AC at 50 Hz     10     Voltage at AC at 50 Hz       relative negative tolerance of the control supply     %     10       voltage at AC at 60 Hz     mm     230       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     mm     230       display version for fault signal     mm     230       mounting position     mm     230       width     mm     230     screw King       mounting position     screw King       • opwards     mm     50	type of voltage of the control supply voltage		AC
relative noistive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency       %       -10         • at 50 Hz rated value       V       230         • 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       10         relative negative 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       10         relative negative tolerance of the control supply voltage at AC at 60 Hz       10         voltage at AC at 60 Hz       10         display version for fault signal       Display         Mechanical data       mm         width       mm       230         mounting position       screw fixing         width       mm       230         equards       mm       5         • upwards       mm       5         • outmaks       mm       5         • downwards       mm       500         • outmaks       mm       500         • outmaks       3       0         Connections/ for main current cincuit       screw fixing      <	control supply voltage frequency 1 rated value	Hz	50
voltage frequency         %         10           relative positive tolerance of the control supply         %         10           • at 60 Hz rated value         V         230           relative negative tolerance of the control supply         %         10           voltage at AC at 50 Hz         10         10           relative positive tolerance of the control supply         %         10           voltage at AC at 50 Hz         10         10           relative positive tolerance of the control supply         %         10           voltage at AC at 50 Hz         Display         Mechanical data           Width         mm         210         10           wortage at AC at 50 Hz         mm         230         10           depth         mm         230         10         10           depth         mm         230         10         10           eduity position         mm         5         10         100         10 <td< th=""><th>control supply voltage frequency 2 rated value</th><th>Hz</th><th>60</th></td<>	control supply voltage frequency 2 rated value	Hz	60
voltage frequency       vitt         control supply voltage 14 AC       v         • at 50 Hz rated value       V       230         • at 50 Hz rated value       V       230         • at 50 Hz rated value       V       230         relative negative tolerance of the control supply       %       10         voltage at AC at 50 Hz       feature negative tolerance of the control supply       %       10         voltage at AC at 60 Hz       relative negative tolerance of the control supply       %       10         voltage at AC at 60 Hz       model       Display         relative negative tolerance of the control supply       %       10         voltage at AC at 60 Hz       Display       Display         relative negative tolerance of the control supply       %       10         voltage at AC at 60 Hz       Display       Display         display version for fault signal       model       Display         Mechanical data       mm       210         mounting position       mm       210         required spacing with side-by-side mounting       escrew fixing         • upwards       mm       100         • at the side       mm       500         • downwards       mm       50		%	-10
• at 50 Hz rated value     V     230       • at 60 Hz rated value     V     230       • at 60 Hz rated value     V     230       relative regative tolerance of the control supply     %     15       voltage at AC at 50 Hz     7%     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     7%     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     7%     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     7%     10       display version for fault signal     0     0       Mochanical data     7%     10       width     mm     210       height     mm     230       generation     mm     230       required spacing with side-by-side mounting     screw fixing       wounting position     mm     500       • upwards     mm     500       • downwards     mm     500       with side on poles for main current circuit     3       • for auxiliary and control circuit     5       • for auxiliary and control circuit     1       • for auxiliary and control circuit     3		%	10
• at 50 Hz rated value     V     230       • at 60 Hz rated value     V     230       • at 60 Hz rated value     V     230       relative regative tolerance of the control supply     %     15       voltage at AC at 50 Hz     7%     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     7%     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     7%     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     7%     10       display version for fault signal     0     0       Mochanical data     7%     10       width     mm     210       height     mm     230       generation     mm     230       required spacing with side-by-side mounting     screw fixing       wounting position     mm     500       • upwards     mm     500       • downwards     mm     500       with side on poles for main current circuit     3       • for auxiliary and control circuit     5       • for auxiliary and control circuit     1       • for auxiliary and control circuit     3	control supply voltage 1 at AC		
relative negative tolerance of the control supply     %     -15       voltage at AC at 50 Hz     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     10       relative positive tolerance of the control supply     %     10       voltage at AC at 60 Hz     0       display version for fault signal     Display       Mechanical data     mm     210       height     mm     230       depth     mm     230       mounting position     screw fixing       width     mm     230       required spacing with side-by-side mounting     witro length maximum       opwards     mm     100       • upwards     mm     5       • downwards     mm     5       • downwards     mm     5       • downwards     mm     5       • for auxiliary and control circuit     3 <b>Connection Circuit</b> 3       • for auxiliary and control circuit     5       • for auxiliary and control circuit     1       • for auxiliary and control circuit     3       • for auxiliary and control circuit     3	• at 50 Hz rated value	V	230
voltage at AC at 50 Hz       ************************************	<ul> <li>at 60 Hz rated value</li> </ul>	V	230
voltage at AC at 50 Hz       ************************************	relative negative tolerance of the control supply	%	-15
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       Display         Mechanical data       Display         width       mm       210         height       mm       230         depth       gas       Screw fixing         mounting position       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tittable to the front and back         connections       mm       5         vertice is defined with side-by-side mounting       mm       5         vertice is defined with core end processing estranded       mm       5         vertice is defined without core end processing estranded       70 240 mm <sup>2</sup>	relative positive tolerance of the control supply	%	10
relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal       9%       10         Machanical data       Display         width       mm       210         height       mm       230         depth       mm       288         fastening method       screw fixing       with vertical mounting surface +/-90° rotatable, with 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       500         wire length maximum       m       500         number of poles for main current circuit       m       3         Connections/ Terminals       busbar connection         • for auxiliary and control circuit       spring-loaded terminals         number of NO contacts for auxiliary contacts       0         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       70 240 mm²         • finely stranded with core end processing       70 240 mm² <th>relative negative tolerance of the control supply</th> <th>%</th> <th>-15</th>	relative negative tolerance of the control supply	%	-15
display version for fault signal     Display       Mechanical data	relative positive tolerance of the control supply	%	10
Mochanical data       mm       210         width       mm       230         height       mm       230         depth       mm       230         fastening method       mm       298         mounting position       298         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         • upwards       mm         • downwards       mm         wire length maximum       m         number of poles for main current circuit       3         Connections/ Terminals       busbar connection spring-loaded terminals         type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts       busbar connection spring-loaded terminals         0       1       70 240 mm²         9 finely stranded with core end processing • stranded       70 240 mm²         9 finely stranded without core end processing • stranded       95 300 mm²	5		
width     mm     210       height     mm     230       depth     mm     230       fastening method     mm     298       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     mm     100       • upwards     mm     5       • downwards     mm     5       • downwards     mm     500       wire length maximum     m     500       number of poles for main current circuit     m     5       type of electrical connection     • for main current circuit     busbar connection       • for main current circuit     busbar connection       • for main current circuit     0       • number of NC contacts for auxiliary contacts     0       number of CO contacts for auxiliary contacts     1       type of electrical consection spring-loaded terminals     1       • finely stranded with core end processing     70 240 mm <sup>2</sup> • finely stranded without core end processing     95 300 mm <sup>2</sup> • stranded     95 300 mm <sup>2</sup>	display version for fault signal		Display
height depthmm230depthmm298fastening methodscrew fixingmounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backrequired spacing with side-by-side mountingintervention• upwardsmm• upwardsmm• downwardsmm• downwardsmmmount of poles for main current circuit3Domections/ Terminalstype of electrical connection • for main current circuit• for main current circuitbusbar connection spring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• 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 point70 240 mm² s 300 mm²• finely stranded without core end processing • stranded95 300 mm²	Mechanical data		
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fastening methodscrew fixingmounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backrequired spacing with side-by-side mountingmm100• upwardsmm100• at the sidemm5• downwardsmm75wire length maximumm500number of poles for main current circuit3Connections/ Terminalsspring-loaded terminalstype of electrical connectionbusbar connection• for main current circuitbusbar connection• for auxiliary and control circuitspring-loaded terminalsnumber of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts1type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point70 240 mm²• finely stranded without core end processing • stranded70 240 mm²• trape of connectable conductor cross-sections for main contacts for box terminal using the back clamping point95 300 mm²	height	mm	230
mounting position       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       mm         • upwards       mm         • upwards       mm         • at the side       mm         • downwards       mm         • downwards       mm         • downwards       m         • for auxiliary and controt circuit       busbar connection         • for auxiliary and control circuit       busbar connection         • for auxiliary contacts for auxiliary contacts       0         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       1         • finely stranded with core end processing <th>depth</th> <th>mm</th> <th>298</th>	depth	mm	298
required spacing with side-by-side mounting       vertical mounting surface +/- 22.5° tiltable to the front and back         • upwards       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       spring-loaded terminals         type of electrical connection       output to the foot         • for auxiliary and control circuit       spring-loaded terminals         number of NC contacts for auxiliary contacts       0         number of CO contacts for auxiliary contacts       1         type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point       70 240 mm²         • finely stranded with core end processing       70 240 mm²         • stranded       95 300 mm²	fastening method		screw fixing
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number of poles for main current circuit       3         Connections/ Terminals       type of electrical connection         • for main current circuit       busbar connection         • for auxiliary and control circuit       spring-loaded terminals         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       3         number of CO contacts for auxiliary contacts       1         type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point       70 240 mm <sup>2</sup> • finely stranded with core end processing       70 240 mm <sup>2</sup> • stranded       95 300 mm <sup>2</sup>	<ul> <li>downwards</li> </ul>	mm	75
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         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 contacts for box terminal using the back         clamping point	wire length maximum	m	500
type of electrical connection• for main current circuit• for auxiliary and control circuitnumber of NC contacts for auxiliary contactsnumber of NO contacts for auxiliary contactsnumber of CO contacts for auxiliary contactsnumber of CO contacts for auxiliary contactsnumber of CO contacts for auxiliary contacts1type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point• finely stranded with core end processing• stranded• strandedtype of connectable conductor cross-sections for main contacts for box terminal using the back clamping point	number of poles for main current circuit		3
type of electrical connection• for main current circuit• for auxiliary and control circuitnumber of NC contacts for auxiliary contactsnumber of NO contacts for auxiliary contactsnumber of CO contacts for auxiliary contactsnumber of CO contacts for auxiliary contactsnumber of CO contacts for auxiliary contacts1type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point• finely stranded with core end processing• stranded• strandedtype of connectable conductor cross-sections for main contacts for box terminal using the back clamping point	Connections/ Terminals		
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>spring-loaded terminals</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>number of CO 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>finely stranded with core end processing</li> <li>stranded</li> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point</li> </ul>			
<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>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>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point</li> </ul>			busbar connection
number of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts3number of CO contacts for auxiliary contacts1type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point70 240 mm²• finely stranded with core end processing • stranded70 240 mm²• stranded95 300 mm²			
number of NO contacts for auxiliary contacts3number of CO contacts for auxiliary contacts1type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point1• finely stranded with core end processing • finely stranded without core end processing • stranded70 240 mm²• finely stranded without core end processing • stranded95 300 mm²			
number of CO contacts for auxiliary contacts1type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point1• finely stranded with core end processing • finely stranded without core end processing • stranded70 240 mm²• finely stranded without core end processing • stranded70 240 mm²• stranded • stranded95 300 mm²			
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point70 240 mm²• finely stranded with core end processing • finely stranded without core end processing • stranded70 240 mm²• finely stranded without core end processing • stranded70 240 mm²• stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point8			
<ul> <li>finely stranded without core end processing</li> <li>stranded</li> <li>stranded</li> <li>95 300 mm<sup>2</sup></li> </ul>	type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point		
• stranded 95 300 mm <sup>2</sup> type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point 95 300 mm <sup>2</sup>	<ul> <li>finely stranded with core end processing</li> </ul>		70 240 mm²
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point	<ul> <li>finely stranded without core end processing</li> </ul>		70 240 mm²
main contacts for box terminal using the back clamping point	• stranded		95 300 mm²
finely stranded with core end processing     120 185 mm <sup>2</sup>	main contacts for box terminal using the back		
	finely stranded with core and processing		120 185 mm²

- finally stranded without care and are	100 105 mm²
<ul> <li>finely stranded without core end processing</li> <li>stranded</li> </ul>	120 185 mm² 120 240 mm²
<ul> <li>stranded</li> <li>type of connectable conductor cross-sections for</li> </ul>	120 240 11111"
main contacts for box terminal using both clamping	
points	
<ul> <li>finely stranded with core end processing</li> </ul>	min. 2x 50 mm², max. 2x 185 mm²
<ul> <li>finely stranded without core end processing</li> </ul>	min. 2x 50 mm², max. 2x 185 mm²
stranded	max. 2x 70 mm <sup>2</sup> , max. 2x 240 mm <sup>2</sup>
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal	
using the back clamping point	250 500 kcmil
using the front clamping point	3/0 600 kcmil
using both clamping points	min. 2x 2/0, max. 2x 500 kcmil
type of connectable conductor cross-sections for DIN	
cable lug for main contacts	
<ul> <li>finely stranded</li> </ul>	50 240 mm²
• stranded	70 240 mm <sup>2</sup>
type of connectable conductor cross-sections for	
auxiliary contacts	$2x (0.25 \pm 1.5 \text{ mm}^2)$
<ul> <li>solid</li> <li>finally stranded with core and processing</li> </ul>	2x (0.25 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections at AWG</li> </ul>	2x (0.25 1.5 mm²)
cables	
for main contacts	2/0 500 kcmil
for auxiliary contacts	2x (24 16)
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	mist, 332 (sand must not get into the devices), 3100
during operation	°C 60
during operation     orage	°C -25 +80
derating temperature	°C 40
protection class IP on the front according to IEC	IP00; IP20 with box terminal/cover
60529	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals	
	EMC
General Product Approval	EMC
Confirmation	○ ^
(SP) (m)	) (կ) ԸՍՐ /ՀՀ
C2A CCC	UL — — RCM
Declaration of Conformity Test Certification	ates Marine / Shipping
	Certific- Type Test Certific- ates/Test Report
EG-Konf.	ABS BUREAU
	VERITAS
Marine / Shipping	other
Hauda 🔊	Confirmation
Register (2)	h de la constante de
DNV-GL	
IRS DRS DRS	
LRS PRS DWGLCORA	
LRS PRS EMALCONEN	

yielded mechanical performance [hp] for 3-phase AC motor		
• at 200/208 V		
— at inside-delta circuit at 50 °C rated value	hp	200
• at 220/230 V		
<ul> <li>— at standard circuit at 50 °C rated value</li> </ul>	hp	150
— at inside-delta circuit at 50 °C rated value	hp	250
• at 460/480 V		
<ul> <li>— at standard circuit at 50 °C rated value</li> </ul>	hp	300
— at inside-delta circuit at 50 °C rated value	hp	600
contact rating of auxiliary contacts according to UL		B300 / R300
urther information		

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=3RW4447-2BC44

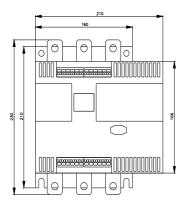
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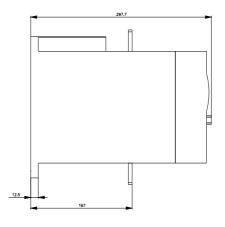
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4447-2BC44

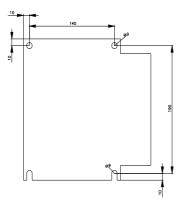
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

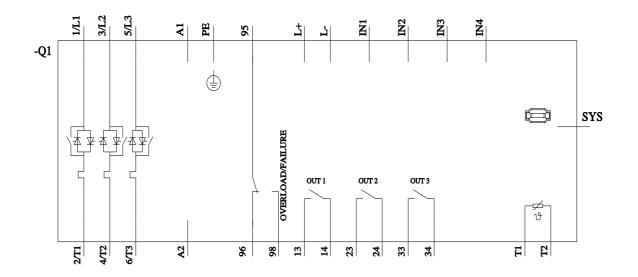
https://support.industry.siemens.com/cs/ww/en/ps/3RW4447-2BC44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4447-2BC44&lang=en









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