## **SIEMENS**

Data sheet 3RW4075-6BB44



SIRIUS soft starter S12 356 A, 200 kW/400 V, 40 °C 200-460 V AC, 230 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5075-6AB14<<

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>		No		
<ul> <li>external reset</li> </ul>		Yes		
<ul> <li>adjustable current limitation</li> </ul>		Yes		
<ul> <li>inside-delta circuit</li> </ul>		No		
product component motor brake output		No		
insulation voltage rated value	V	600		
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	356		
<ul> <li>at 50 °C rated value</li> </ul>	Α	315		
<ul> <li>at 60 °C rated value</li> </ul>	Α	280		
yielded mechanical performance for 3-phase motors  • at 230 ∨				
<ul><li>— at standard circuit at 40 °C rated value</li><li>at 400 V</li></ul>	kW	110		
<ul> <li>at standard circuit at 40 °C rated value</li> </ul>	kW	200		

hp

Hz

%

%

V

%

%

%

Α

100

-10

10

-15

10

20

131

50 ... 60

200 ... 460

standard circuit

standard circuit minimum load [%]

yielded mechanical performance [hp] for 3-phase AC

motor at 200/208 V at standard circuit at 50 °C rated

relative negative tolerance of the operating frequency

relative positive tolerance of the operating frequency

relative negative tolerance of the operating voltage at

relative positive tolerance of the operating voltage at

operating voltage at standard circuit rated value

adjustable motor current for motor overload

operating frequency rated value

protection minimum rated value

power loss [W] at operational current at 40 °C during operation by plotal or control circuit Centrol type of voltage frequency 1 rated value control supply voltage frequency 1 rated value (12 50 60 60 60 60 60 60 60 60 60 60 60 60 60			
control supply voltage of the control supply voltage control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC  • at 50 1½ rated value  • at 60 1½ rated value  voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at AC at 50 1½  relative positive tolerance of the control supply voltage at	continuous operating current [% of le] at 40 °C	%	115
Control circuit/ Control  Type of Voltage of the control supply voltage control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC  • at 50 Hz rated value • at 50 Hz rated value voltage at AC at 50 Hz relative negative tolerance of the control supply 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 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 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 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 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 co		W	125
type of voltage of the control supply voltage control supply voltage frequency 1 rated value relative negative tolerance of the control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency rolative positive tolerance of the control supply voltage frequency rolative positive tolerance of the control supply voltage frequency control supply voltage frequency control supply voltage frequency control supply voltage frequency control supply voltage at AC at 50 Hz and value voltage frequency for the control supply voltage at AC at 50 Hz and value voltage frequency for for fact the control supply voltage at AC at 50 Hz and value value voltage at AC at 50 Hz and value valu			
control supply voltage frequency 1 rated value relative negative tolerance of the control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency (control supply voltage frequency control supply voltage frequency (control supply voltage frequency (control supply voltage of at AC  • at 50 Hz rated value  • at 00 Hz rated value  • at 50 Hz rated value  • at 00 Hz	Control circuit/ Control		
control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage frequency control supply voltage frequency control supply voltage at AC at 50 Hz rated value v 230 voltage at AC at 50 Hz rated value v 230 voltage at AC at 50 Hz rated value v 230 voltage at AC at 50 Hz rated value v 250 voltage at AC at 50 Hz rated value v 250 voltage at AC at 50 Hz rated value voltage value voltage voltage voltage at AC at 50 Hz rated value voltage voltage value voltage v	type of voltage of the control supply voltage		AC
relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 50 Hz rated value  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 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  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  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  relative positive tolerance voltage at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the co	control supply voltage frequency 1 rated value	Hz	50
voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 60 Hz relative pegative tolerance of the control supply voltage at AC at 60 Hz relative pegative 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 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 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 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	control supply voltage frequency 2 rated value	Hz	60
voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 60 Hz relative pegative tolerance of the control supply voltage at AC at 60 Hz relative pegative 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 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 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 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	relative negative tolerance of the control supply	%	-10
voltage frequency control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at	voltage frequency		
control supply voltage 1 at AC  • It 50 Hz rated value • at 60 Hz rated value voltage at AC at 50 Hz relative negative 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 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 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 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 volta	relative positive tolerance of the control supply	%	10
a ta 50 Hz rated value  a ta 60 Hz rated value  voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  display version for fault signal  Mochanical data  size of engine control device width height mm 278  fastening method mounting position  Michanical data  size of engine control device width height mm 278  fastening method mounting position  mm 278  fastening with side-by-side mounting  • upwards  • upwards  • at the side • downwards with engine maximum number of poles for main current circuit  connections/ Tominals  Connections/ Tominals  Tominal current circuit  • for main current circuit  • for poles for main current circuit  • fo	voltage frequency		
e at 60 Hz rated value relative negative tolerance of the control supply 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 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 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 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 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 vo	control supply voltage 1 at AC		
relative negative tolerance of the control supply 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 negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 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 negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative n	<ul> <li>at 50 Hz rated value</li> </ul>	V	230
voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative 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 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 negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 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 relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply relative positive tolerance of the contr	<ul> <li>at 60 Hz rated value</li> </ul>	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    Mochanical 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 red  Mochanical data  size of engine control device width mm 160 height mm 278 screw fixing with vertical mounting position some 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 Without additional fan: With vertical mounting surface +/-10° to tatable, with vertical mounting surface +	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 red  Mechanical data  size of engine control device width mm 160 height depth mm 230 mm 278 screw fixing with additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° t t support of the front and back Without additional fan: With vertical mounting surface +/-10° t t support of the front and back Without additional fan: With vertical mounting surface +/-10° t t support of the front and back without additional fan: With vertical mounting surface +/-10° t t support of the front and back without additional fan: With vertical mounting surface +/-10° t t support of the front and back without additional fan: With vertical mounting surface +/-10° t t support of the front and back without core in mm 5  **equired spacing with side-by-side mounting  **upwards  **at the side  **downwards  **mm 5  **wire length maximum  **nm 75  **wire length maximum  **nm 300  **mm 55  **wire length maximum  **nm 300  **mm 55  **wire length maximum  **nm 300  **mm 55  **wire length maximum  **nm 300  **support of the side of the side of the front side of the side o	relative negative tolerance of the control supply	%	-15
display version for fault signal  Mechanical data size of engine control device width height depth mm 230 depth fastening method mounting position  required spacing with side-by-side mounting  • upwards • at the side • downwards • at the side • downwards wire length maximum number of poles for main current circuit  • for main current circuit • for availilary and control circuit number of NC contacts for auxillary contacts number of CO contacts for auxillary 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 with core end processing • finely stranded without core end processing • stranded  fype of connectable conductor cross-sections for finely stranded without core end processing • stranded  fype of connectable conductor cross-sections for finely stranded without core end processing • stranded  fype of connectable conductor cross-sections for finely stranded without core end processing • stranded  fype of connectable conductor cross-sections for finely stranded without core end processing • stranded  fype of connectable conductor cross-sections for	relative positive tolerance of the control supply	%	10
size of engine control device width height mm 160 height mm 230 depth sate in greater of the size of engine control device width height mm 230 mm 278 screw fixing with additional fan: With vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-100" rotatable, with vertical mounting surface +/-900" rotatable view fulls with vertical mounting surface +/-900" rotatable view evil at mounting surface +/-900" rotatable, with vertical mounting surface +/-900" rotatable view evil at mounting surface +/-900" rotatable, with vertical mounting surface +/-900" rotatable, with vertical mounting surface +/-900" rotatable, with vertical mounting surface +/-900" rotatable, with vert	•		rod
size of engine control device width height and processing engine control device width height appear on the light astening method mounting position as or with additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable with core e			ieu
width height depth mm 230 depth mm 276 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 • nor 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 • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back 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 • finely stranded without core end processing • stranded type of connectable conductor cross-sections for			
height depth astening method mounting position  The fastening method with additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting sur	_		- 1
depth fastening method mounting position  278  screw fixing  With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° t  required spacing with side-by-side mounting  • upwards • at the side • downwards • at the side • downwards wire length maximum number of poles for main current circuit • for auxiliary and control 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 • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded without core end processing • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded without core end processing • stranded type of connectable conductor cross-sections for		mm	160
fastening method mounting position  screw fixing  With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-20° fillable to the front and back with vertical mounting surface +/-20° fillable to the front and back with vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with verti	height	mm	230
mounting position  With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front additional fan: With vertical mounting surface +/-10° to the formal and the vertical mounting surface +/-10° to the formal and the vertical mounting surface +/-10° to the formal and the vertical mounting surface +/-10° to the formal and the vertical mounting surface +/-10° to the formal to with vertical mounting surface +/-10° to the formal to with vertical mounting surface +/-10° to the formal to with vertical mounting surface +/-10° to the formal to with vertical mounting surface +/-10° to the formal to with vertical mounting surface +/-10° to the formal with vertical mounting surface +/-10° to the form visual to the formal in the finel with vertical mounting surface +/-10° to the form visual and in with vertical mounting surface +/-10° to the finely with vertical mounting surface +/-10° to the finely stranded with out or end processing  in mind to define yith vertical mounting surface +/-10° to the finely with vertical mo	depth	mm	278
rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/- 10° t to the front and back Without additional fan: With vertical mounting surface +/- 10° t to the front and back Without additional fan: With vertical mounting surface +/- 10° t to the front additional fan: With vertical mounting surface +/- 10° t to the front additional fan: With vertical mounting surface +/- 10° t to the front additional fan: With vertical mounting surface +/- 10° t to the front additional fan: With vertical mounting surface +/- 10° t to the front additional fan: With vertical mounting surface +/- 10° t to the front additional fan: With vertical mounting surface +/- 10° t to the front surface +/- 10° t to	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 • 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 • finely stranded without core end processing • stranded type of connectable conductor cross-sections for	mounting position		With additional fan: With vertical mounting surface +/-90°
upwards     at the side     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     number of NC contacts for auxiliary contacts     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     stranded     type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point     finely stranded with core end processing     stranded     stranded     type of connectable conductor cross-sections for     stranded     type of connectable conductor cross-sections for			to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting
upwards     at the side     downwards     wire length maximum     number of poles for main current circuit      Connections/ Terminals      type of electrical connection         if or auxiliary and control circuit         inumber of NC contacts for auxiliary contacts     number of NC contacts for auxiliary contacts     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         if finely stranded with core end processing         if nely stranded without core end processing         if nely s	required spacing with side-by-side mounting		
<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> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>screw-type terminals</li> </ul> number of NC contacts for auxiliary contacts <ul> <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 <ul> <li>finely stranded without core end processing</li> <li>estranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded</li> <li></li></ul></li></ul>		mm	100
downwards     wire length maximum     number of poles for main current circuit  Connections/ Terminals  type of electrical connection     of or auxiliary and control circuit     of rauxiliary and control circuit     of rauxiliary and control circuit     of rauxiliary and control circuit     onumber 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     of finely stranded with core end processing     of connectable conductor cross-sections for main contacts for box terminal using the back clamping point     of finely stranded with core end processing     of stranded     of finely stranded with core end processing     of stranded     of finely stranded with core end processing     of stranded     of connectable conductor cross-sections for main contacts for box terminal using the back clamping point     of finely stranded with core end processing     of stranded     of connectable conductor cross-sections for main contacts for box terminal using the back clamping point     of finely stranded with core end processing     of finely stranded with core end proces	•	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 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 • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • stranded • stranded • stranded • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded without core end processing • stranded  • stranded type of connectable conductor cross-sections for	downwards		
number of poles for main current circuit  connections/ Terminals  type of electrical connection  of or 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  of inely stranded with core end processing of tinely stranded with core end processing of inely stranded without core end processing of inely stranded without core end processing of inely stranded without core end processing of stranded type of connectable conductor cross-sections for			
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 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  • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • stranded • stranded  type of connectable conductor cross-sections for  stranded  type of connectable conductor cross-sections for	•		
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 contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded  • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded without core end processing • stranded  • stranded  type of connectable conductor cross-sections for		_	
• 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 with core end processing     • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point     • finely stranded with core end processing     • finely stranded without core end processing     • stranded type of connectable conductor cross-sections for stranded type of connectable conductor cross-sections for			
• 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 with core end processing     • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point      • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded without core end processing     • stranded     • finely stranded without core end processing     • stranded     • stranded     • stranded     • stranded     • finely connectable conductor cross-sections for     • finely connectable conductor cross-sections for	· ·		harden and a the
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 with core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for stranded  type of connectable conductor cross-sections for			
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 • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • stranded  • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • stranded type of connectable conductor cross-sections for			3.
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 • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded without core end processing • stranded type of connectable conductor cross-sections for			
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 • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • finely stranded without core end processing • stranded  • stranded  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 • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for  120 185 mm²  120 185 mm²  120 185 mm²  120 240 mm²	· · · · · · · · · · · · · · · · · · ·		1
<ul> <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> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for</li> </ul>	main contacts for box terminal using the front		
<ul> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for</li> </ul>			70 240 mm²
stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point      finely stranded with core end processing     finely stranded without core end processing     stranded  type of connectable conductor cross-sections for  95 300 mm²  120 185 mm²  120 185 mm²  120 185 mm²  120 240 mm²			
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded  • stranded  type of connectable conductor cross-sections for	, ,		
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for</li> </ul>	type of connectable conductor cross-sections for		95 500 mm
<ul> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for</li> </ul>			
• stranded 120 240 mm² type of connectable conductor cross-sections for	<ul> <li>finely stranded with core end processing</li> </ul>		120 185 mm²
type of connectable conductor cross-sections for			
			120 240 mm²
points	main contacts for box terminal using both clamping		
• finely stranded with core end processing min. 2x 50 mm², max. 2x 185 mm²	•		min. 2x 50 mm², max. 2x 185 mm²
• finely stranded without core end processing  • finely stranded without core end processing  min. 2x 50 mm², max. 2x 185 mm²			
• stranded  max. 2x 70 mm², max. 2x 240 mm²			
type of connectable conductor cross-sections at AWG			High. 24 10 Hilli , High. 24 270 Hilli
cables for main contacts for box terminal			

<ul> <li>using the back clamping point</li> </ul>		250 500 kcmil
<ul> <li>using the front clamping point</li> </ul>		3/0 600 kcmil
<ul> <li>using both clamping points</li> </ul>		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
<ul><li>stranded</li></ul>		70 240 mm²
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 main contacts</li> </ul>		2/0 500 kcmil
<ul> <li>for auxiliary contacts</li> </ul>		2x (20 14)
<ul> <li>for auxiliary contacts finely stranded with core end processing</li> </ul>		2x (20 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		
<ul> <li>during operation</li> </ul>	°C	-25 +60
<ul> <li>during storage</li> </ul>	°C	-40 +80
derating temperature	°C	40
protection class IP on the front according to IEC 60529		IP00; IP20 with cover
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front with cover

Certificates/ approvals

**General Product Approval** 

**EMC** 



Confirmation











Special Test Certificate





Confirmation

UL/CSA ratings			
yielded mechanical performance [hp] for 3-phase AC motor			
• at 220/230 V			
<ul> <li>— at standard circuit at 50 °C rated value</li> </ul>	hp	125	
• at 460/480 V			
<ul> <li>— at standard circuit at 50 °C rated value</li> </ul>	hp	250	
contact rating of auxiliary contacts according to UL		B300 / R300	
Further information			

Further information

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)

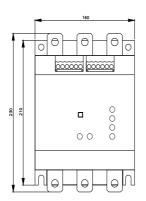
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4075-6BB44

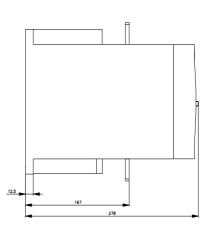
Cax online generator

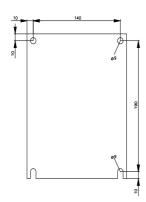
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4075-6BB44

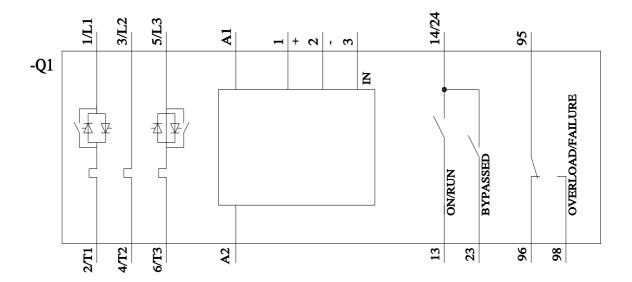
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW4075-6BB44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RW4075-6BB44&lang=en









last modified: 1/16/2022 🖸