# SIEMENS

## **Product data sheet**

### 3RW3036-2BB04



SIRIUS SOFT STARTER, SIZE S2, 45A, 22KW/400V, 40 DEGREES, 200-480V AC, 24V AC/DC, SPRING-LOADED TERMINALS

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General details:	
product brand name	SIRIUS
Product feature	
<ul> <li>integrated bypass contact system</li> </ul>	Yes
Thyristors	Yes
Product function	
Intrinsic device protection	No
motor overload protection	No
Evaluation of thermistor motor protection	No
External reset	No
Adjustable current limitation	No
inside-delta circuit	No
Product component / Motor brake output	No
Reference code	
• acc. to DIN EN 61346-2	Q
acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	G
Power Electronics:	

Product designation	soft starters for standard applications
Operating current	

• at 40 °C / Rated value	А	45
• at 50 °C / Rated value	А	42
• at 60 °C / Rated value	А	39
Mechanical power output / for three-phase motors	-	
• at 230 V / at standard circuit / at 40 °C		
Rated value	W	11,000
• at 400 V / at standard circuit / at 40 °C		
Rated value	W	22,000
yielded mechanical performance [hp] / for three-phase AC motor / at 200/208 V / at standard circuit / at 50 °C / Rated value	hp	10
Operating frequency	-	
Rated value	Hz	50 60
Relative negative tolerance / of the operating frequency	%	-10
Relative positive tolerance / of the operating frequency	%	10
Operating voltage / at standard circuit / Rated value	V	200 480
Relative negative tolerance / of the operating voltage / at standard circuit	%	-15
Relative positive tolerance / of the operating voltage / at standard circuit	%	10
Minimum load in % of I_M	%	10
Continuous operating current in % of I_e / at 40 °C	%	115
Active power loss / at operating current / at 40 °C / during operation / typical	W	6

Control electronics:		
Type of voltage / of the control supply voltage		AC/DC
Control supply voltage frequency / 1 / Rated value	Hz	50
Control supply voltage frequency / 2 / Rated value	Hz	60
Relative negative tolerance / of the control supply voltage frequency	%	-10
Relative positive tolerance / of the control supply voltage frequency	%	10
Control supply voltage / 1		
• with AC / at 50 Hz	V	24
• with AC / at 60 Hz	V	24
Relative negative tolerance / of the control supply voltage / with AC / at 60 Hz	%	-10
Relative positive tolerance / of the control supply voltage / with AC / at 60 Hz	%	10
Control supply voltage / 1 / for DC / Rated value	V	24
Relative negative tolerance / of the control supply voltage / for DC	%	-10

Relative positive tolerance / of the control supply voltage / for DC	%	10
Display version / for fault signal	_	red
Mechanical design:		
Size of engine control device		S2
Width	mm	55
Height	mm	160
Depth	mm	170
Mounting type		screw and snap-on mounting
mounting position	_	With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° tiltable to the front and back
Spacing required		
with side-by-side mounting	mm	60
with side-by-side mounting	mm	30
with side-by-side mounting	mm	40
Installation altitude / at height above sea level	m	5,000
Cable length / maximum	m	300
Number of poles / for main current circuit		3
Electrical connections:		
Design of the electrical connection		

•	
for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	spring-loaded terminals
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	1
Number of CO contacts / for auxiliary contacts	0
Type of connectable conductor cross-section / for main contacts / for box terminal / using the front clamping point	
• solid	2x (1.5 16 mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	0.75 25 mm²
• stranded	0.75 35 mm²
Type of connectable conductor cross-section / for main contacts / for box terminal / using the back clamping point	
• solid	2x (1.5 16 mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1.5 25 mm²
• stranded	1.5 35 mm²
Type of connectable conductor cross-section / for main contacts / for box terminal / using both clamping points	
• solid	2x (1.5 16 mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	2x (1.5 16 mm²)

stranded		2x (1.5 25 mm²)	
Type of connectable conductor cross-section / for AWG conductors / for main contacts / for box terminal			
<ul> <li>using the back clamping point</li> </ul>		16 2	
<ul> <li>using the front clamping point</li> </ul>		18 2	
• using both clamping points		2x (16 2)	
Type of connectable conductor cross-section	_		
for auxiliary contacts			
• solid		2x (0.25 2.5 mm²)	
<ul> <li>finely stranded / with core end processing</li> </ul>		2x (0.25 1.5 mm <sup>2</sup> )	
<ul> <li>for AWG conductors / for auxiliary contacts</li> </ul>		2x (24 14)	
Ambient conditions:			
Ambient temperature			
during operation	°C	-25 +60	
during storage	°C	-40 +80	
Derating temperature	°C	40	
Protection class IP		IP00	
Certificates/approvals:			
General Product Approval		EMC	Test Certificates
General Product Approval		EMC C-TICK	Test CertificatesType TestCertificates/TestReport
		EMC C-TICK	<u>Type Test</u> Certificates/Test
	UL	EMC C-TICK	<u>Type Test</u> Certificates/Test
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Image: Constraint of Conformity       Other       Environmental Confirmations         Declaration of Conformity       other       Environmental Confirmations         UL/CSA ratings       yielded mechanical performance [hp] / for three-phase AC		EMC	<u>Type Test</u> Certificates/Test
Vertical and the second seco	hp	EMC C-TICK	<u>Type Test</u> Certificates/Test
Vertical and the series of	hp	C-TICK	Type Test Certificates/Test
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Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

### Industry Mall (Online ordering system)

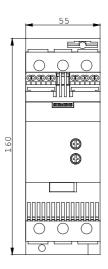
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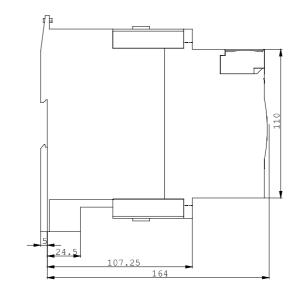
#### CAx-Online-Generator

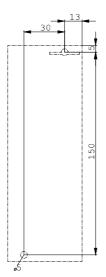
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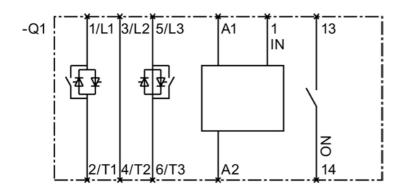
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RW3036-2BB04









last change:

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