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	
 integrated bypass contact system 	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
 for auxiliary and control current circuit 	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)
 finely stranded / with core end processing 	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)
 finely stranded / with core end processing 	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)
 finely stranded / with core end processing 	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			
 using the back clamping point 		16 2	
 using the front clamping point 		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)	
 finely stranded / with core end processing 		2x (0.25 1.5 mm ²)	
 for AWG conductors / for auxiliary contacts 		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
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Industry Mall (Online ordering system)

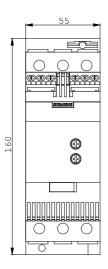
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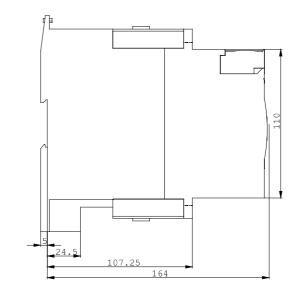
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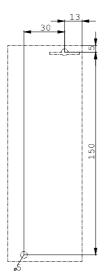
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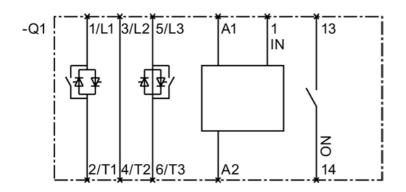
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW3036-2BB04









last change:

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