SIEMENS

Product data sheet 3RW3036-1BB04



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

General details:		
product brand name		SIRIUS
Product equipment		
 integrated bridging contact system 		Yes
• thyristors		Yes
Product function		
intrinsic device protection		No
motor overload protection		No
• evaluation of thermal resistor motor protection		No
reset external		No
adjustable current limitation		No
• inside-delta circuit		No
Product component / outlet for enine brake		No
Item designation		
• according to DIN EN 61346-2		Q
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		G

Operating current

Power Electronics: product designation

soft starters for standard applications

• at 40 °C / rated value	Α	45
• at 50 °C / rated value	Α	42
• at 60 °C / rated value	Α	39
Emitted mechanical power / for three-phase servomotors		
\bullet at 230 V / at standard switching / at 40 °C		
• rated value	W	11,000
\bullet at 400 V / at standard switching / at 40 °C		
• rated value	W	22,000
yielded mechanical performance (hp) / for three-phase squirrel cage motors / at 200/208 V / at standard circuit / at 50 $^{\circ}\text{C}$ / rated v alue	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 / with standard circuit / rated value	V	200 480
Relative negative tolerance / of the operating voltage / with standard circuit	%	-15
Relative positive tolerance / of the operating voltage / with 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 operating phase / typical	W	6

Control electronics:		
Type of voltage / of the controlled 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		
• at 50 Hz / for AC	V	24
• at 60 Hz / for AC	V	24
Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC	%	-10
Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC	%	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
Type of display / for fault signal		red

Mechanical design:		
Size of the engine control device		S2
Width	mm	55
Height	mm	160
Depth	mm	170
Type of mounting		screw and snap-on mounting
mounting position		With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° tiltable to the front and back
Distance, to be maintained, to the ranks assembly		
• upwards	mm	60
• sidewards	mm	30
• downwards	mm	40
Installation altitude / at a height over 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 	screw-type terminals
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	1
Number of change-over switches / for auxiliary contacts	0
Type of the connectable conductor cross-section / for main contacts / for box terminal / when using the front clamping point	
• solid	2x (1.5 16 mm2)
• finely stranded / with conductor end processing	0.75 25 mm²
• stranded	0.75 35 mm2
Type of the connectable conductor cross-section / for main contacts / for box terminal / when using the back clamping point	
• solid	2x (1.5 16 mm2)
• finely stranded / with conductor end processing	1.5 25 mm²
• stranded	1.5 35 mm2
Type of the connectable conductor cross-section / for main contacts / for box terminal / when using both clamping points	
• solid	2x (1.5 16 mm2)
• finely stranded / with conductor end processing	2x (1.5 16 mm²)

2x (1.5 25 mm2)
16 2
18 2
2x (16 2)
2x (0.5 2.5 mm²)
2x (0.5 1.5 mm²)
2x (20 14)
2x (20 16)

Ambient conditions:		
Ambient temperature		
during operating	°C	-25 +60
during storage	°C	-40 +80
Derating temperature	°C	40
Protection class IP		IP00

Certificates/approvals:

General Product Approval













Test Certificates

Shipping Approval

other

Othic

other

Environmental Confirmations

Special Test Certificate

Type Test
Certificates/Test
Report



Declaration of Conformity

GL

yielded mechanical performance (hp) / for three-phase squirrel cage motors • at 220/230 V / at standard circuit • at 50 °C / rated v alue • at 460/480 V / at standard circuit • at 50 °C / rated v alue Contact rating designation / for auxiliary contacts / according to UL B300 / R300

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator

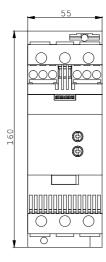
http://www.siemens.com/cax

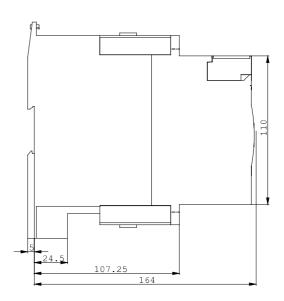
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

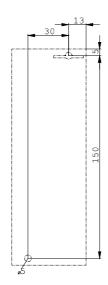
http://support.automation.siemens.com/WW/view/en/3RW3036-1BB04/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW3036-1BB04







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