SIEMENS

Product data sheet

3RW4027-1BB14



SIRIUS SOFT STARTER, S0, 32A, 15KW/400V, 40 DEGR., AC 200-480V, AC/DC 110-230V, SCREW TERMINALS

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General details:		
product brand name		SIRIUS
Product equipment	-	
 integrated bridging contact system 		Yes
• thyristors		Yes
Product function	-	
intrinsic device protection		Yes
motor overload protection		Yes
 evaluation of thermal resistor motor protection 		No
reset external		Yes
adjustable current limitation		Yes
• 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
Power Electronics:		
product designation		soft starters for standard applications

• at 40 °C / rated valueA32• at 60 °C / rated valueA29• at 60 °C / rated valueA29• at 200 / at standard switching / at 40 °C**• at 400 / / at standard switching / at 40 °CW7,500• rated valueW15,000yielded mechanical performance (hp) / for three-phase sequirrel cage motors / at 200/208 / / at standard circuit / at 50 °C / rated y alueM15,000yielded mechanical performance (hp) / for three-phase sequirrel cage motors / at 200/208 V / at standard circuit / at 50 °C / rated y alueM10Operating frequency%1010• rated valueH2506010Relative negative tolerance / of the operating frequency%10• rated valueV200 48010Relative negative tolerance / of the operating voltage / with standard circuit%10Relative negative tolerance / of the operating voltage / with standard circuit%10Relative negative tolerance / of the operating voltage / with standard circuit%10Relative negative tolerance / of the operating voltage / with standard circuit%10Relative negative tolerance / of the operating voltage / with standard circuit%10Relative negative tolerance / of the operating voltage / with standard circuit%10Control supply voltage frequency / 1/ rated value%10Control supply voltage frequency / 1/ rated value%10Control supply voltage frequ			
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Entited mechanical power / for three-phase servomotors W 7,500 • at 230 V / at standard switching / at 40 °C W 7,500 • rated value W 15,000 • rated value W 15,000 • rated value W 15,000 • rated value F 5 • rated value F 10 • rated value V 200 • rated value V 10 • rated value V 10 • rated value <td< th=""><th>• at 50 °C / rated value</th><th>А</th><th>29</th></td<>	• at 50 °C / rated value	А	29
• at 230 V / at standard switching / at 40 °C W 7,500 • at 400 V / at standard switching / at 40 °C W 15,000 • ated value W 15,000 yleided machanical performance (tp) / for three-phase squirel cage motors / at 200/280 V / at standard circuit / at 50 °C / rated value hpp 7.5 Operating frequency P 7.5 10 • rated value Fiz 5060 60 Relative negative tolerance / of the operating frequency % 10 10 Relative negative tolerance / of the operating voltage / with standard circuit / rated value V 200480 10 Relative negative tolerance / of the operating voltage / with standard circuit / rated value % 10 10 Relative negative tolerance / of the operating voltage / with standard circuit / rated value % 10 10 Minimun load in % of LM % 20 10 <td< th=""><th>• at 60 °C / rated value</th><th>А</th><th>26</th></td<>	• at 60 °C / rated value	А	26
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standard circuitImage: circuit circui		%	-15
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protection / minimum Image: March and March an	Minimum load in % of I_M	%	20
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Control supply voltage / 1 / at 60 Hz / for ACV110 230Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC%-15Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC%10		%	10
Relative negative tolerance / of the control supply voltage / at 60 % -15 Relative positive tolerance / of the control supply voltage / at 60 % 10 Hz / for AC % 10	Control supply voltage / 1 / at 50 Hz / for AC	V	110 230
Hz / for AC Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC %	Control supply voltage / 1 / at 60 Hz / for AC	V	110 230
Hz / for AC		%	-15
Control supply voltage / 1 / for DC V 110 230		%	10
	Control supply voltage / 1 / for DC	V	110 230

Relative negative tolerance / of the control supply voltage / for DC	%	-15
Relative positive tolerance / of the control supply voltage / for DC	%	10
Type of display / for fault signal		red

1111	ani	0.2	daei	an
1.11			desi	UII.

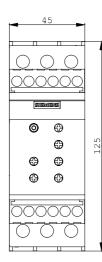
moonamoar acoign.		
Size of the engine control device		S0
Width	mm	45
Height	mm	125
Depth	mm	155
Type of mounting		screw and snap-on mounting
mounting position		With additional fan: With vertical mounting surface +/- 90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/- 10° rotatable, with vertical mounting surface +/- 10° t
Distance, to be maintained, to the ranks assembly		
• upwards	mm	60
• sidewards	mm	15
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

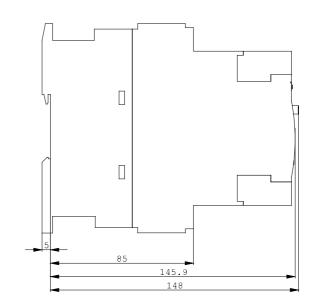
Flectrical	connections:
Liootiioui	

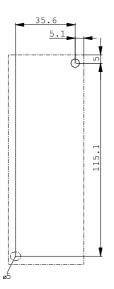
screw-type terminals
screw-type terminals
0
2
1
2x (1.5 2.5 mm2), 2x (2.5 6 mm2), max. 1x 10 mm2
2x (1.5 2.5 mm²), 2x (2.5 6 mm²)
1x 8, 2x (16 10)
2x (0.5 2.5 mm²)

 finely stranded / with conductor end processing 		2x (0.5 1.5 mm²)		
 for AWG conductors / for auxiliary contacts 		2x (20 14)		
 finely stranded / with wire end proc 		2x (20 16)		
Ambient conditions:				
Ambient temperature				
during operating	°C	-25 +60		
during storage	°C	-40 +80		
Derating temperature	°C	40		
Protection class IP		IP20		
Certificates/approvals:				
General Product Approval		EMC	For use in hazardous locations	
		C-TICK	Ex ATEX	
Test Certificates Shipping Approval		other		
Type Test Certificates/Test Report GL	PRS	Declaration of Conformity	of Environmental Confirmations	
UL/CSA ratings yielded mechanical performance (hp) / for three-phase squirrel				
cage motors				
• at 220/230 V / at standard circuit	h	7.5		
• at 50 °C / rated v alue	hp	7.5		
• at 460/480 V / at standard circuit				
• at 50 °C / rated v alue	hp	20		
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/3RW4027-1BB14				

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW4027-1BB14







last change:

Feb 7, 2013