## **SIEMENS**

Data sheet 3RW30 36-1BB14



SIRIUS SOFT STARTER, SIZE S2, 45A, 22KW/400V, 40 DEGREES, 200-480V AC, 110-230V AC/DC, SCREW TERMINALS

Constal technical data			
General technical data	SIRIUS		
product brandname			
<ul> <li>Product equipment Integrated bypass contact</li> </ul>	Yes		
system			
<ul> <li>Product feature Thyristors</li> </ul>	Yes		
Product function			
<ul> <li>Intrinsic device protection</li> </ul>	No		
<ul> <li>motor overload protection</li> </ul>	No		
<ul> <li>Evaluation of thermistor motor protection</li> </ul>	No		
External reset	No		
<ul> <li>Adjustable current limitation</li> </ul>	No		
Inside-delta circuit	No		
Product component Motor brake output	No		
Equipment marking acc. to DIN EN 61346-2	Q		
Equipment marking acc. to DIN 40719 extended	G		
according to IEC 204-2 acc. to IEC 750			
Power Electronics			
Product designation	Soft starter		

Operating current  • at 40 °C rated value  • at 50 °C rated value  • at 60 °C rated value  A 42  • at 60 °C rated value  A 39  Mechanical power output for three-phase motors  • at 230 V  — at standard circuit at 40 °C rated value  W 11 000	
at 50 °C rated value  at 60 °C rated value  A 39  Mechanical power output for three-phase motors  at 230 V  — at standard circuit at 40 °C rated value  W 11 000	
at 60 °C rated value     A 39  Mechanical power output for three-phase motors     at 230 V  — at standard circuit at 40 °C rated value  W 11 000	
Mechanical power output for three-phase motors  • at 230 V  — at standard circuit at 40 °C rated value W 11 000	
at 230 V  — at standard circuit at 40 °C rated value W 11 000	
— 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 hp 10	
AC motor at 200/208 V at standard circuit at 50 °C	
rated value	
Operating frequency rated value Hz 50 60	
Relative negative tolerance of the operating % -10	
frequency	
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 % -15 at standard circuit	
Relative positive tolerance of the operating voltage at standard circuit	
Minimum load [% of IM] % 10	
Continuous operating current [% of le] at 40 °C % 115	
Power loss [W] at operating current at 40 °C during W 6	
operation typical	
operation typical  Control electronics	
Control electronics	
Control electronics  Type of voltage of the control supply voltage  AC/DC	

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 at AC at 50 Hz	V	110 230	
Control supply voltage 1 at AC at 60 Hz	V	110 230	
Relative negative tolerance of the control supply voltage at AC at 60 Hz	%	-10	
Relative positive tolerance of the control supply voltage at AC at 60 Hz	%	10	
Control supply voltage 1 at DC	V	110 230	
Relative negative tolerance of the control supply voltage at DC	%	-10	
Relative positive tolerance of the control supply voltage at DC	%	10	

Display version for fault signal		red
Mechanical data		
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
Required spacing with side-by-side mounting		
• upwards	mm	60
• at the side	mm	30
<ul><li>downwards</li></ul>	mm	40
Installation altitude at height above sea level	m	5 000
Wire length maximum	m	300
Number of poles for main current circuit		3
Connections/Terminals		
Type of electrical connection		
for main current circuit		screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>		screw-type 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-sections 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>		1.5 25 mm²
• stranded		1.5 35 mm²
Type of connectable conductor cross-sections 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-sections 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)

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)

Protection	class	IP

Ambient temperature

• during operation

• during storage

Derating temperature

General Product Approval	EMC	Declaration of
		Conformity

°C

°C

°C









-25 ... +60

-40 ... +80

40

IP00





Test Certificates		other		
Typprüfbescheinigu ng/Werkszeugnis	spezielle Prüfbescheinigunge	Umweltbestätigung	sonstig	Bestätigungen
	n			

UL/CSA ratings			
Yielded mechanical performance [hp] for three-phase			
AC motor			
● at 220/230 V			
<ul> <li>at standard circuit at 50 °C rated value</li> </ul>	hp	15	
● at 460/480 V			
— at standard circuit at 50 °C rated value	hp	30	

## Further information

## Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917

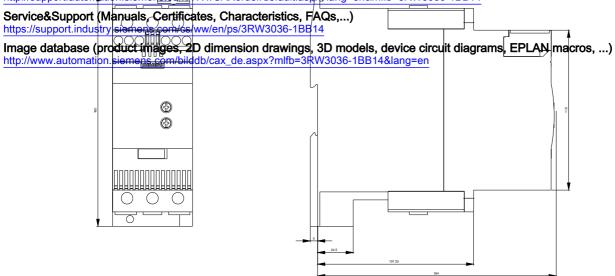
Information- and Downloadcenter (Catalogs, Brochures,...)

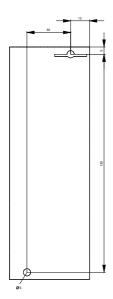
http://www.siemens.com/industrial-controls/catalogs

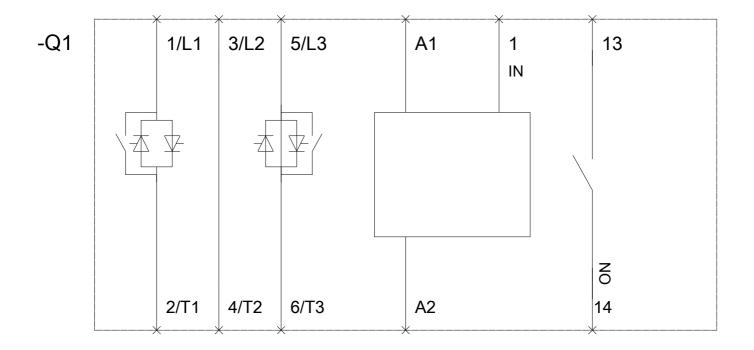
## Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW3036-1BB14

Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.asp\@2lang=en&mlfb=3RW3036-1BB14







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