# **SIEMENS**

Data sheet 3RW40 24-1BB14



SIRIUS SOFT STARTER, S0, 12.5A, 5.5KW/400V, 40 DEGR., AC 200-480V, AC/DC 110-230V, SCREW TERMINALS

product brand name	SIRIUS	
Product feature		
<ul> <li>integrated bypass contact system</li> </ul>	Yes	
• Thyristors	Yes	
Product function		
• Intrinsic device protection	Yes	
<ul> <li>motor overload protection</li> </ul>	Yes	
<ul> <li>Evaluation of thermistor motor protection</li> </ul>	No	
External reset	Yes	
Adjustable current limitation	Yes	
• 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		

Product designation

soft starters for standard applications

12.5
11
10
3 000
5 500
3
50 60
-10
10
200 480
-15
-13
10
20
5
115
2
AC/DC
50
60
-10
10
110 230
110 230
-15
10
110 230
-15

Relative positive tolerance of the control supply	%	10
voltage at DC		
Display version for fault signal		red
Nechanical data:		
Size of engine control device		S0
Width	mm	45
Height	mm	125
Depth	mm	155
Mounting type		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
Required spacing with side-by-side mounting		
• upwards	mm	60
• at the side	mm	15
<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		2
Number of CO contacts for auxiliary contacts		1
Type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid		2x (1.5 2.5 mm²), 2x (2.5 6 mm²), max. 1x 10
finely stranded with core end processing		mm <sup>2</sup> 2x (1.5 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> )
Type of connectable conductor cross-sections at		Z. ( 1.0 2.0 mm ), Z. (2.0 0 mm )
AWG conductors for main contacts for box terminal		
• using the front clamping point		1x 8, 2x (16 10)
Type of connectable conductor cross-sections for		5, 2 (10 10)
auxiliary contacts		
• solid		2x (0.5 2.5 mm²)
		2x (0.5 1.5 mm²)

**AWG** conductors

• for auxiliary contacts

Type of connectable conductor cross-sections at

2x (20 ... 14)

• for auxiliary contacts finely stranded with core end processing

2x (20 16)

Ambient conditions:			
Ambient temperature			
<ul><li>during operation</li></ul>	°C	-25 <b>+</b> 60	
during storage	°C	-40 <b>+</b> 80	
Derating temperature	°C	40	
Protection class IP		IP20	

## Certificates/ approvals:

General Product Approval	EMC	For use in
		hazardous
		locations













Declaration of Conformity	Test Certificates		Shipping A	oproval	
CE	spezielle Prüfbescheinigunge n	Typprüfbescheinigu ng/Werkszeugnis	<u> </u>	[GL	Lloyd's Register
EG-Konf.			DNV	GL	LRS

Shipping	other
Approval	



Umweltbestätigung

UL/CSA ratings:				
hp	3			
hp	7.5			
	B300 / R300			

#### Further informatior

#### 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)

http://www.siemens.com/industrymall

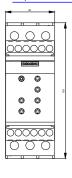
#### Cax online generator

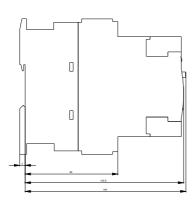
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW40241BB14

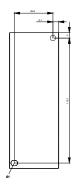
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

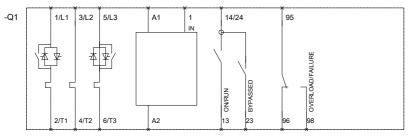
https://support.industry.siemens.com/cs/ww/en/ps/3RW40241BB14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW40241BB14&lang=en









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