## SIEMENS

## Data sheet

## 3RW40 38-1BB14



SIRIUS SOFT STARTER, S2, 72A, 37KW/400V, 40 DEGR., AC 200-480V, AC/DC 110-230V, SCREW TERMINALS

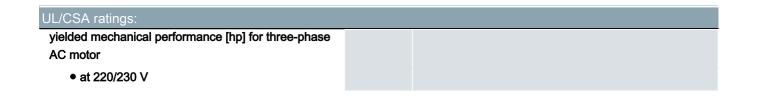
product brand name	SIRIUS
Product feature	_
<ul> <li>integrated bypass contact system</li> </ul>	Yes
• Thyristors	Yes
Product function	_
<ul> <li>Intrinsic device protection</li> </ul>	Yes
<ul> <li>motor overload protection</li> </ul>	Yes
<ul> <li>Evaluation of thermistor motor protection</li> </ul>	No
• External reset	Yes
<ul> <li>Adjustable current limitation</li> </ul>	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 according to IEC 204-2 acc. to IEC 750	G

	soft starters for standard applications
-	
А	72
А	62
А	60
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- at standard circuit at 40 °C Rated value       W       22 000         • at 40 V       - at standard circuit at 40 °C Rated value       W       37 000         • at 40 V       - at standard circuit at 40 °C Rated value       W       37 000         Vielded mechanical performance [ht] for three-phase       AC motor at 200208 V at standard circuit at 50 °C       hp       20         AC motor at 200208 V at standard circuit at 50 °C       False       5060       60         Relative positive tolerance of the operating frequency       %       10       60         Operating voltage at standard circuit Rated value       V       200 480       415         Relative positive tolerance of the operating voltage at standard circuit       %       10       61         Relative positive tolerance of the operating voltage at standard circuit       %       10       61         Adjustable motor current for motor overload protection minimum rated value       %       10       61         Control supply voltage frequency Rated value       Ye       15       61         Control supply voltage frequency Rated value       Ye       60       60         Control supply voltage frequency 2 Rated value       Hz       50       60         Control supply voltage frequency 2 Rated value       Hz       60       60		14/	00.000
	— at standard circuit at 40 °C Rated value	W	22 000
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Height	mm	160
Depth	mm	170
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	30
downwards	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
Connections/ Terminals:		
Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		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-section 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>		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)
<ul> <li>finely stranded with core end processing</li> </ul>		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)
<ul> <li>finely stranded with core end processing</li> </ul>		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		
<ul> <li>using the back clamping point</li> </ul>		16 2
<ul> <li>using the front clamping point</li> </ul>		18 2

<ul> <li>using both clamping points</li> </ul>			2x (16 2)			
Type of connectable conductor cross-	-section for					
auxiliary contacts						
<ul><li>solid</li><li>finely stranded with core end processing</li></ul>			2x (0.5 2.5	5 mm²)		
			2x (0.5 1.5	5 mm²)		
Type of connectable conductor cross- AWG conductors	-section for	-				
<ul> <li>for auxiliary contacts</li> </ul>			2x (20 14)	2x (20 14)		
<ul> <li>for auxiliary contacts finely strar</li> </ul>	nded with core		2x (20 16)			
end processing						
mbient conditions:						
Ambient temperature						
<ul> <li>during operation</li> </ul>		°C	-25 +60			
<ul> <li>during storage</li> </ul>		°C	-40 +80			
Derating temperature		°C	40			
Protection class IP			IP00			
ertificates/ approvals:		_				
General Product Approval				EMC	For use in hazardous locations	
		E	AC	С-тіск	<b>Ex</b> ATEX	
Test Certificates	Shipping A	Approval				
Test CertificatesType Test Certificates/Test ReportSpecial Test Certificate	Shipping A		GL	Llove's Register LRS	PRS	
Type TestSpecial TestCertificates/TestCertificate	ĴÅ DNV				PRS	



— at standard circuit at 50 °C Rated value	metric hp	20
● at 460/480 V		
— at standard circuit at 50 °C Rated value	metric hp	40
Contact rating of the auxiliary contacts acc. to UL		B300 / R300

urther information

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=3RW40381BB14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW40381BB14

## Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW40381BB14&lang=en

