## **SIEMENS**

Data sheet 3RW40 28-2BB04



SIRIUS SOFT STARTER, S0, 38A, 18.5KW/400V, 40 DEGR., AC 200-480V, AC/DC 24V, SPRING-LOADED TERMINALS

General technical data				
SIRIUS				
Yes				
Yes				
Yes				
Yes				
No				
Yes				
Yes				
No				
No				
Q				
G				

Product designation

Soft starter

Α	38
Α	34
Α	31
W	11 000
W	18 500
hp	10
Hz	50 60
%	-10
%	10
V	200 480
%	-15
%	10
%	20
Α	23
%	115
% W	115 19
	19
W	AC/DC
W	19 AC/DC 50
Hz Hz	19 AC/DC 50 60
Hz Hz Hz %	19 AC/DC 50 60 -10
Hz Hz Hz %	19 AC/DC 50 60 -10
Hz Hz %	AC/DC 50 60 -10
Hz Hz %	AC/DC 50 60 -10
Hz Hz % V V	AC/DC 50 60 -10 10 24 24
	A A W W hp Hz % % %

Relative negative tolerance of the control supply voltage at DC	%	-20
Relative positive tolerance of the control supply voltage at DC	%	20
Display version for fault signal		red

Mechanical data		
Size of engine control device		S0
Width	mm	45
Height	mm	150
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
• downwards	mm	40
Wire length maximum	m	300
Number of poles for main current circuit		3

Connections/Terminals		
Type of electrical connection		
• for main current circuit	spring-loaded terminals	
<ul> <li>for auxiliary and control current circuit</li> </ul>	spring-loaded 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 2.5 mm²), 2x (2.5 6 mm²	²), max. 1x 10 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 2.5 mm²), 2x (2.5 6 mm²	2)
Type of connectable conductor cross-sections at AWG conductors for main contacts for box terminal		
<ul> <li>using the front clamping point</li> </ul>	1x 8, 2x (16 10)	
Type of connectable conductor cross-sections for main contacts		
• solid	1 10 mm²	
<ul> <li>finely stranded with core end processing</li> </ul>	1 6 mm²	
Type of connectable conductor cross-sections for auxiliary contacts		
• solid	2x (0.25 2.5 mm²)	

<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)
Type of connectable conductor cross-sections at	
AWG conductors	
• for main contacts	16 10, 1x 8
• for auxiliary contacts	2x (24 14)

Ambient conditions				
Installation altitude at height above sea level	m	5 000		
Environmental category				
<ul> <li>during transport acc. to IEC 60721</li> </ul>		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		
<ul> <li>during storage acc. to IEC 60721</li> </ul>		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		
<ul> <li>during operation acc. to IEC 60721</li> </ul>		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		
Ambient temperature				
<ul><li>during operation</li></ul>	°C	-25 <b>+</b> 60		
<ul><li>during storage</li></ul>	°C	-40 +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 App	roval	
CE	Type Test Certificates/Test Report	Special Test Certificate	GL®	Lloyd's Register	
EG-Konf.			GL	LRS	PRS

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Environmental Confirmations

Confirmation

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	10
● at 460/480 V		
— at standard circuit at 50 °C rated value	hp	25
Contact rating of auxiliary contacts according to UL		B300 / R300

## 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=3RW4028-2BB04

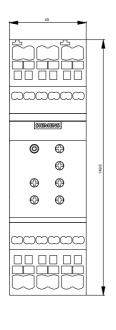
Cax online generator

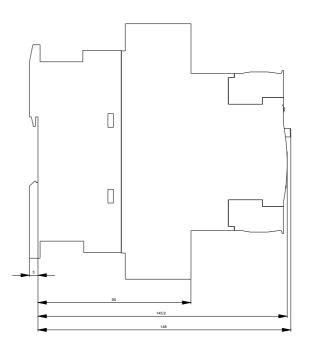
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4028-2BB04

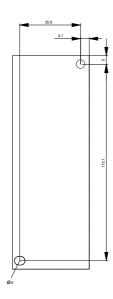
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

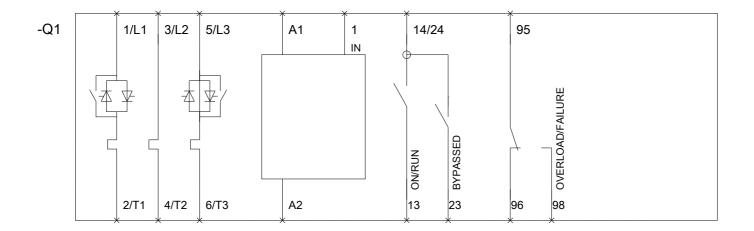
https://support.industry.siemens.com/cs/ww/en/ps/3RW4028-2BB04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4028-2BB04&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4028-2BB04&lang=en</a>









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