SIEMENS

Data sheet 3RW4426-1BC36



SIRIUS soft starter Values at 575 V, 50 °C standard: 68 A, 50 hp Inside-delta: 118 A, 100 hp 400-690 V AC, 115 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5526-1HA16<<

General technical data				
product brand name		SIRIUS		
product feature				
 integrated bypass contact system 		Yes		
thyristors		Yes		
product function				
 intrinsic device protection 		Yes		
 motor overload protection 		Yes		
 evaluation of thermistor motor protection 		Yes		
 external reset 		Yes		
 adjustable current limitation 		Yes		
inside-delta circuit		Yes		
product component motor brake output		Yes		
insulation voltage rated value	V	690		
degree of pollution		3, acc. to IEC 60947-4-2		
reference code acc. to DIN EN 61346-2		Q		
reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		G		
Power Electronics				
product designation		Soft starter		
operational current				
 at 40 °C rated value 	Α	77		
 at 50 °C rated value 	Α	68		
at 60 °C rated value	Α	59		
operational current for 3-phase motors at inside-delta circuit				
 at 40 °C rated value 	Α	133		
 at 50 °C rated value 	Α	118		
at 60 °C rated value	Α	102		
yielded mechanical performance for 3-phase motors				
• at 400 V				
 — at standard circuit at 40 °C rated value 	W	37 000		
 — at inside-delta circuit at 40 °C rated value 	W	75 000		
● at 500 V				
 — at standard circuit at 40 °C rated value 	W	45 000		
 at inside-delta circuit at 40 °C rated value 	W	90 000		
 at 690 V at standard circuit at 40 °C rated value 	W	75 000		
operating frequency rated value	Hz	50 60		

	0/	10
relative negative tolerance of the operating frequency	- %	-10
relative positive tolerance of the operating frequency	%	10
operating voltage at standard circuit rated value	V	400 690
relative negative tolerance of the operating voltage at standard circuit	%	-15
relative positive tolerance of the operating voltage at standard circuit	%	10
operating voltage at inside-delta circuit rated value	V	400 600
relative negative tolerance of the operating voltage at inside-delta circuit	%	-15
relative positive tolerance of the operating voltage at inside-delta circuit	%	10
minimum load [%]	%	8
adjustable motor current for motor overload protection minimum rated value	А	15
continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during	W	45
operation typical		
Control circuit/ Control		
type of voltage of the control supply voltage		AC
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	%	-10
voltage frequency		
relative positive tolerance of the control supply voltage frequency	%	10
control supply voltage 1 at AC		
 at 50 Hz rated value 	V	115
at 60 Hz rated value	V	115
relative negative tolerance of the control supply voltage at AC at 50 Hz	%	-15
relative positive tolerance of the control supply voltage at AC at 50 Hz	%	10
relative negative tolerance of the control supply voltage at AC at 60 Hz	%	-15
relative positive tolerance of the control supply voltage at AC at 60 Hz	%	10
display version for fault signal		Display
Mechanical data		
width	mm	170
height	mm	192
depth	mm	270
fastening method		screw fixing
mounting position		with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
required spacing with side-by-side mounting		
• upwards	mm	100
• at the side	mm	5
• downwards	mm	75
wire length maximum	m	500
number of poles for main current circuit		3
Connections/ Terminals		
type of electrical connection		
for main current circuit		box terminal
for auxiliary and control circuit		screw-type terminals
number of NC contacts for auxiliary contacts		0
number of NO contacts for auxiliary contacts		3
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		

• finely stranded without core end processing • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using both clamping points • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • stranded type of connectable conductor cross-sections at AWG cables for main contacts for box terminal • using the back clamping point • using the back clamping point • using the front clamping point • using both clamping point • using both clamping point • using both clamping point • using the front clamping point • using the front clamping point • using both clamping point • using the front clamping point • using the front clamping point • using both clamping point • using both clamping point • using both clamping point • using the front clamping point • using both clamping point • using the front clamping point • using both clamping point • using both clamping point • using the front clamping point • using the front clamping point • using both clamping point • using the front clamping point • using the front clamping point • using the front clamping point • using both clamping point • using the front	2.5 16 mm²	• solid
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derating temperature °C 40 protection class IP on the front acc. to IEC 60529 IP20	°C 60	during operation
protection class IP on the front acc. to IEC 60529	°C -25 +80	during storage
P	°C 40	derating temperature
touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front	IP20	protection class IP on the front acc. to IEC 60529
	finger-safe, for vertical contact from the front	touch protection on the front acc. to IEC 60529
Certificates/ approvals		Certificates/ approvals
Canoral Product Approval	EMC Declaration of Conformity	General Product Approval













Test Certificates

Marine / Shipping









Marine / Shipping

other



Confirmation

UL/CSA ratings				
yielded mechanical performance [hp] for 3-phase AC motor				
• at 460/480 V				
 at standard circuit at 50 °C rated value 	hp	50		
 at inside-delta circuit at 50 °C rated value 	hp	75		
• at 575/600 V				
 at standard circuit at 50 °C rated value 	hp	50		
— at inside-delta circuit at 50 °C rated value	hp	100		
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,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4426-1BC36

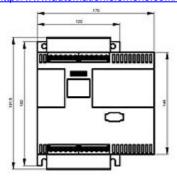
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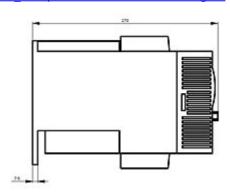
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4426-1BC36

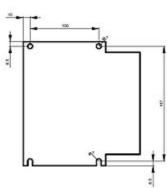
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

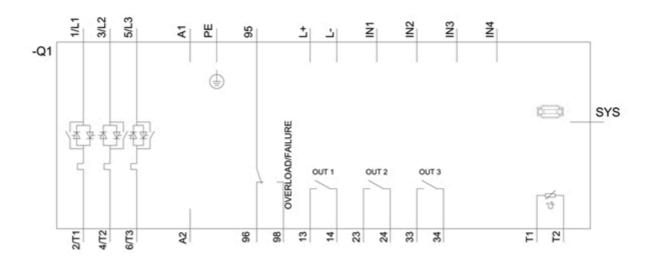
https://support.industry.siemens.com/cs/ww/en/ps/3RW4426-1BC36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RW4426-1BC36&lang=en









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