SIEMENS

Data sheet 3RW4466-6BC44



SIRIUS soft starter Values at 400 V, 40 °C standard: 1214 A, 710 kW Inside-delta: 2103 A, 1200 kW 200-460 V AC, 230 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5558-6HA14<<

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 according to EN 61346-2		Q
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		G
Power Electronics		
product designation		Soft starter
operational current		
 at 40 °C rated value 	Α	1 214
 at 50 °C rated value 	Α	1 076
at 60 °C rated value	Α	970
operational current for 3-phase motors at inside-delta circuit		
 at 40 °C rated value 	Α	2 103
at 50 °C rated value	Α	1 864
at 60 °C rated value	А	1 680
yielded mechanical performance for 3-phase motors		
• at 230 V		
 — at standard circuit at 40 °C rated value 	kW	400
 — at inside-delta circuit at 40 °C rated value 	kW	710
• at 400 V		
 — at standard circuit at 40 °C rated value 	kW	710
— at inside-delta circuit at 40 °C rated value	kW	1 200
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	400
operating frequency rated value	Hz	50 60
relative negative tolerance of the operating frequency	%	-10
relative positive tolerance of the operating frequency	%	10

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lug for main contacts ● finely stranded 50 240 mm² ● stranded 70 240 mm² type of connectable conductor cross-sections for auxiliary contacts 2x (0.5 2.5 mm²) ● solid 2x (0.5 2.5 mm²) ● finely stranded with core end processing 2x (0.5 1.5 mm²)	type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts		screw-type terminals
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type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing 2x (0.5 2.5 mm²) 2x (0.5 1.5 mm²)	type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for DIN cable		screw-type terminals 0 3
contacts ● solid 2x (0.5 2.5 mm²) ● finely stranded with core end processing 2x (0.5 1.5 mm²)	type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for DIN cable lug for main contacts		screw-type terminals 0 3
• finely stranded with core end processing 2x (0.5 1.5 mm²)	type of electrical connection		screw-type terminals 0 3 1 50 240 mm ²
	type of electrical connection		screw-type terminals 0 3 1 50 240 mm ²
	type of electrical connection		screw-type terminals 0 3 1 50 240 mm² 70 240 mm²
type of connectable conductor cross-sections at AWG	type of electrical connection		screw-type terminals 0 3 1 50 240 mm² 70 240 mm² 2x (0.5 2.5 mm²)

cables		
 for main contacts 		2/0 500 kcmil
 for auxiliary contacts 		2x (20 14)
 for auxiliary contacts finely stranded with core end processing 		2x (20 16)
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
 during transport according to IEC 60721 		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
during storage according to IEC 60721		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
during operation according to IEC 60721		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature		
 during operation 	°C	60
during storage	°C	-25 +80
derating temperature	°C	40
protection class IP on the front according to IEC 60529		IP00
Certificates/ approvals		

Certificates/ approvals

General Product Approval

EMC





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Special Test Certificate







Marine / Shipping

other





Confirmation

UL/CSA ratings		
yielded mechanical performance [hp] for 3-phase AC motor		
• at 200/208 V		
 at inside-delta circuit at 50 °C rated value 	hp	700
• at 220/230 V		
 at standard circuit at 50 °C rated value 	hp	450
 at inside-delta circuit at 50 °C rated value 	hp	850
• at 460/480 V		
 at standard circuit at 50 °C rated value 	hp	950
 at inside-delta circuit at 50 °C rated value 	hp	1 700
contact rating of auxiliary contacts according to UL		B300 / R300

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Simulation Tool for Soft Starters (STS)

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

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

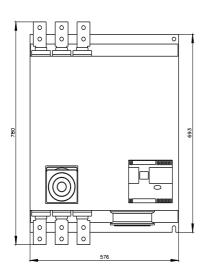
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4466-6BC44

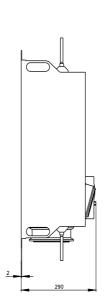
Cax online generator

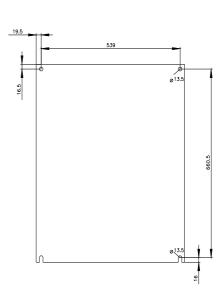
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW4466-6BC44}$

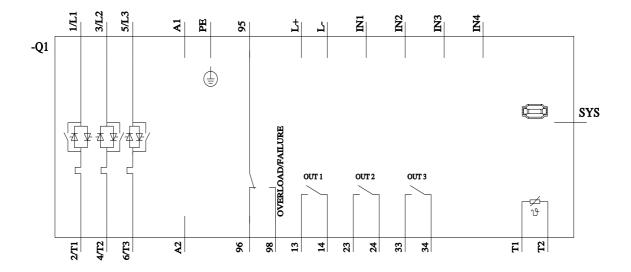
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW4466-6BC44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4466-6BC44&lang=en









last modified: 1/16/2022 🖸