SIEMENS

Data sheet

3RW4465-2BC45



SIRIUS soft starter Values at 500 V, 40 °C standard: 1076 A, 800 kW Inside-delta: 1864 A, 1350 kW 400-600 V AC, 230 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5558-2HA16<<

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 	А	1 076
 at 50 °C rated value 	А	970
 at 60 °C rated value 	А	880
operational current for 3-phase motors at inside-delta circuit		
 at 40 °C rated value 	А	1 864
 at 50 °C rated value 	А	1 680
• at 60 °C rated value	А	1 524
yielded mechanical performance for 3-phase motors		
● at 400 V		
 — at standard circuit at 40 °C rated value 	W	630 000
 — at inside-delta circuit at 40 °C rated value 	W	1 100 000
• at 500 V		
 — at standard circuit at 40 °C rated value 	W	800 000
— at inside-delta circuit at 40 °C rated value	W	1 350 000
operating frequency rated value	Hz	50 60
relative negative tolerance of the operating frequency	%	-10

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Connections/ Terminals type of electrical connection busbar connection • for main current circuit busbar connection • for auxiliary and control circuit spring-loaded 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 DIN cable lug for main contacts 50 240 mm ²	wire length maximum	m	500
type of electrical connectionbusbar connection• for main current circuitbusbar connection• for auxiliary and control circuitspring-loaded terminalsnumber of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts3number of CO contacts for auxiliary contacts1type of connectable conductor cross-sections for DIN cable lug for main contacts50 240 mm²	number of poles for main current circuit		3
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number of NO contacts for auxiliary contacts 3 number of CO contacts for auxiliary contacts 1 type of connectable conductor cross-sections for DIN cable lug for main contacts 50 240 mm²	 for auxiliary and control circuit 		spring-loaded terminals
number of CO contacts for auxiliary contacts 1 type of connectable conductor cross-sections for DIN cable lug for main contacts 50 240 mm²	number of NC contacts for auxiliary contacts		0
type of connectable conductor cross-sections for DIN cable lug for main contacts • finely stranded 50 240 mm²	number of NO contacts for auxiliary contacts		3
• finely stranded 50 240 mm²	number of CO contacts for auxiliary contacts		1
• stranded 70 240 mm ²	finely stranded		50 240 mm²
	stranded		70 240 mm²

type of connectable	conductor cross-sec	tions for				
auxiliary contacts						
• solid				2x (0.25 1.	,	
	with core end processi			2x (0.25 1.	5 mm²)	
type of connectable cables	conductor cross-sec	tions at AWG				
 for main contact 	S			2/0 500 kcr	nil	
 for auxiliary con 	tacts			2x (24 16)		
Ambient conditions						
installation altitude a	it height above sea le	vel	m	5 000		
environmental categ	ory					
 during transport 	acc. to IEC 60721			2K2, 2C1, 2S	1, 2M2 (max. fall h	eight 0.3 m)
 during storage a 	acc. to IEC 60721				asional condensat ist not get inside th	ion), 1C2 (no salt mist), ie devices), 1M4
 during operation 	acc. to IEC 60721					densation), 3C3 (no salt to the devices), 3M6
ambient temperature)					
 during operation 	1		°C	60		
 during storage 			°C	-25 +80		
derating temperature)		°C	40		
General Product Ap		ሠ		FAL	EMC	Declaration of Conformity
CSA Test Certificates	ccc Marine / Shipping	UL		LIIL	RCM	EG-Konf.
Special Test Certific- ate	ABS	BUREAU VERITAS		Llovd's Register us	PRS	DNV-GL EMIGLEDIEM
other						
Confirmation						

yielded mechanical performance [hp] for 3-phase AC motor		
• at 460/480 V		
— at standard circuit at 50 °C rated value	hp	850
- at inside-delta circuit at 50 °C rated value	hp	1 500
● at 575/600 V		
— at standard circuit at 50 °C rated value	hp	1 100
- at inside-delta circuit at 50 °C rated value	hp	1 900
contact rating of auxiliary contacts according to UL		B300 / R300
urther information		

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=3RW4465-2BC45

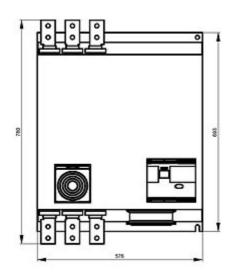
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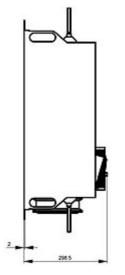
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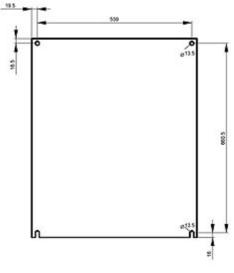
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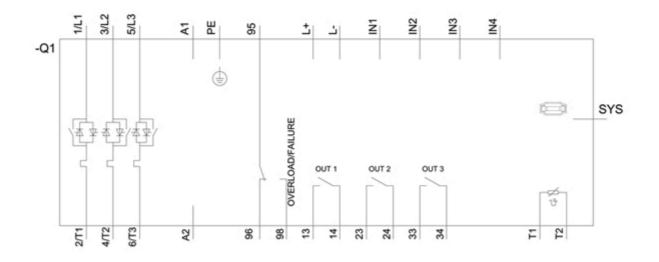
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4465-2BC45&lang=en









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