SIEMENS

Data sheet

3RW30 36-2BB04



SIRIUS SOFT STARTER, SIZE S2, 45A, 22KW/400V, 40 DEGREES, 200-480V AC, 24V AC/DC, SPRING-LOADED TERMINALS

General technical data				
product brandname	SIRIUS			
 Product equipment Integrated bypass contact 	Yes			
system				
 Product feature Thyristors 	Yes			
Product function				
 Intrinsic device protection 	No			
 motor overload protection 	No			
 Evaluation of thermistor motor protection 	No			
External reset	No			
 Adjustable current limitation 	No			
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	G			
according to IEC 204-2 acc. to IEC 750				
Power Electronics				
Product designation	Soft starter			

Operating current		
● at 40 °C rated value	А	45
• at 50 °C rated value	А	42
• at 60 °C rated value	А	39
Mechanical power output for three-phase motors		
• at 230 V		
— at standard circuit at 40 °C rated value	W	11 000
• at 400 V		
— at standard circuit at 40 °C rated value	W	22 000
Yielded mechanical performance [hp] for three-phase	hp	10
AC motor at 200/208 V at standard circuit at 50 °C		
rated value		
Operating frequency rated value	Hz	50 60
Relative negative tolerance of the operating frequency	%	-10
Relative positive tolerance of the operating frequency	%	10
Operating voltage at standard circuit rated value	V	200 480
Relative negative tolerance of the operating voltage	%	-15
at standard circuit	70	
Relative positive tolerance of the operating voltage at	%	10
standard circuit		
Minimum load [% of IM]	%	10
Continuous operating current [% of le] at 40 °C	%	115
Power loss [W] at operating current at 40 °C during	W	6
operation typical		
Control electronics		
Type of voltage of the control supply voltage		AC/DC
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 voltage frequency	%	-10
Relative positive tolerance of the control supply	%	10
voltage frequency		
Control supply voltage 1 at AC		
• at 50 Hz rated value	V	24
• at 60 Hz rated value	V	24
Relative negative tolerance of the control supply voltage at AC at 60 Hz	%	-10
Relative positive tolerance of the control supply voltage at AC at 60 Hz	%	10
Control supply voltage 1 at DC rated value	V	24
Relative negative tolerance of the control supply voltage at DC	%	-10
-		

Relative positive tolerance of the control supply voltage at DC	%	10
Display version for fault signal		red
Mechanical data		
Size of engine control device		S2
Width	mm	55
Height	mm	160
Depth	mm	170
Mounting type		screw and snap-on mounting
Mounting position		With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° tiltable to the front and back
Required spacing with side-by-side mounting		
• upwards	mm	60
• at the side	mm	30
• 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 		screw-type terminals
 for auxiliary and control current circuit 		spring-loaded terminals
Number of NC contacts for auxiliary contacts	_	0
Number of NO contacts for auxiliary contacts		1
Number of CO contacts for auxiliary contacts		0
Type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point		
• solid		2x (1.5 16 mm²)
 finely stranded with core end processing 		1.5 25 mm²
• stranded		1.5 35 mm²
Type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point		
• solid		2x (1.5 16 mm²)
 finely stranded with core end processing 		1.5 25 mm²
• stranded		1.5 35 mm²
Type of connectable conductor cross-sections for main contacts for box terminal using both clamping points		
• solid		2x (1.5 16 mm²)
• finely stranded with core end processing		2x (1.5 16 mm²)
stranded		2x (1.5 25 mm²)

Type Test Special Test Miscellane Certificates/Test Certificate		Environmental Confirmation	Vibration and Shock
Test Certificates other			Railway
	E		EG-Konf.
General Product Approval		EMC	Declaration of Conformity
ertificates/approvals			
Protection class IP		IP00	
Derating temperature	°C	40	
 during storage 	°C	-40 +80	
 during operation 	°C	-25 +60	
Ambient temperature	-		
 during operation acc. to IEC 60721 		3K6 (no formation of ice, no co salt mist), 3S2 (sand must not g 3M6	
• during storage acc. to IEC 60721		3M6 3K6 (no formation of ice, no co salt mist), 3S2 (sand must not g 3M6	
 during transport acc. to IEC 60721 		3K6 (no formation of ice, no co salt mist), 3S2 (sand must not g	
Environmental category			
nstallation altitude at height above sea level	m	5 000	
mbient conditions			
 for auxiliary contacts 		2x (24 14)	
Type of connectable conductor cross-sections at AWG conductors			
finely stranded with core end processing		2x (0.25 1.5 mm²)	
• solid		2x (0.25 2.5 mm ²)	
Type of connectable conductor cross-sections for auxiliary contacts			
 using both clamping points 		2x (16 2)	
 using the front clamping point 		18 2	
 using the back clamping point 		16 2	
WG conductors for main contacts for box terminal			

UL/CSA ratings		
Yielded mechanical performance [hp] for three-phase		
AC motor		
● at 220/230 V		
— at standard circuit at 50 °C rated value	hp	15
● at 460/480 V		
— at standard circuit at 50 °C rated value	hp	30
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)

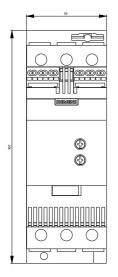
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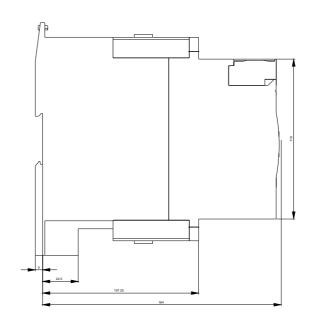
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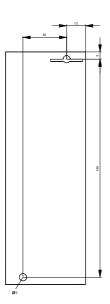
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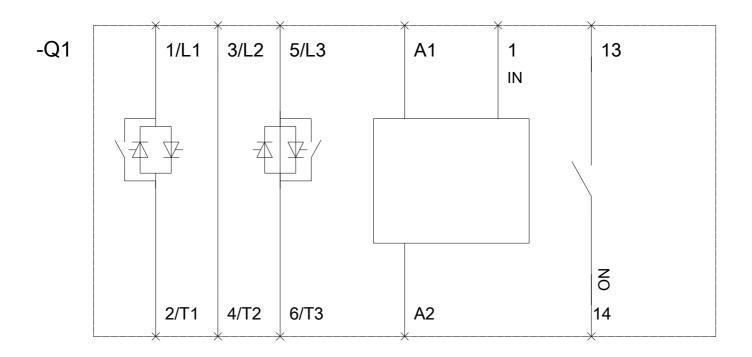
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW3036-2BB04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3036-2BB04&lang=en









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