SIEMENS

Data sheet 3RW30 27-2BB04

SIRIUS soft starter S0 32 A, 15 kW/400 V, 40 $^{\circ}\text{C}$ 200-480 V AC, 24 V AC/DC spring-type terminals



General technical data			
Product brand name		SIRIUS	
Product feature			
 integrated bypass contact system 		Yes	
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	
Insulation voltage rated value	V	600	
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		G	
according to IEC 204-2 acc. to IEC 750			

Product designation Operating current at 40 °C rated value at 50 °C rated value at 60 °C rated value A 26 Mechanical power output for three-phase motors at 230 V — at standard circuit at 40 °C rated value value at 400 V ridided mechanical performance [hp] for three-phase AC motor at 200/208 V at standard circuit at 50 °C rated value Vielded mechanical performance [hp] for three-phase AC motor at 200/208 V at standard circuit at 50 °C rated value Operating frequency rated value Relative negative tolerance of the operating frequency Relative negative tolerance of the operating frequency Operating voitage at standard circuit rated value Relative negative tolerance of the operating voitage at standard circuit Relative negative tolerance of the operating voitage at standard circuit Relative negative tolerance of the operating voitage at standard circuit Relative negative tolerance of the operating voitage at standard circuit Relative positive tolerance of the operating voitage at standard circuit Relative positive tolerance of the operating voitage at standard circuit Relative positive tolerance of the control supply voitage frequency 1 rated value Control supply voitage frequency 1 rated value Relative negative tolerance of the control supply voitage frequency Control supply voitage frequency 1 rated value Relative positive tolerance of the control supply voitage frequency Control supply voitage 1 at AC at 50 Hz rated value at 60 Hz rated value a	Power Electronics		
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		%	10
voltage at AC at 60 Hz	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
Control supply voltage 1 at DC rated value	V	24
Relative negative tolerance of the control supply voltage at DC	%	-15
Relative positive tolerance of the control supply voltage at DC	%	10
Display version for fault signal		red

Mechanical data		
Size of engine control device		S0
Width	mm	45
Height	mm	150
Depth	mm	150
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	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
 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 2.5 mm²), 2x (2.5 6 mm²)
 finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²)
Type of connectable conductor cross-sections at AWG conductors for main contacts for box terminal	
 using the front clamping point 	1x 8, 2x (16 10)
Type of connectable conductor cross-sections for main contacts	
• solid	1 10 mm²
 finely stranded with core end processing 	1 6 mm²

Type of connectable conductor cross-sections for auxiliary contacts	
• solid	2x (0.25 2.5 mm²)
 finely stranded with core end processing 	2x (0.25 1.5 mm²)
Type of connectable conductor cross-sections at AWG conductors	
• for main contacts	16 8
• for auxiliary contacts	2x (24 14)

Ambient conditions				
Installation altitude at height above sea level	m	5 000		
Environmental category				
 during transport acc. to IEC 60721 		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
• during storage acc. to IEC 60721		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4		
 during operation acc. 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	-25 + 60		
during storage	°C	-40 + 80		
Derating temperature	°C	40		
Protection class IP		IP20		

Certificates/ approvals

General Product Approval EMC Declaration of Conformity













Declaration of Conformity	Test Certific- ates	other		
Miscellaneous	Type Test Certificates/Test Report	Miscellaneous	Confirmation	

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	7.5
● at 460/480 V		
— at standard circuit at 50 °C rated value	hp	20
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,...)

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW3027-2BB04

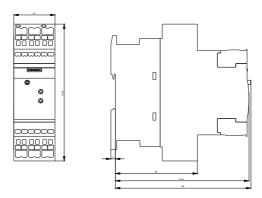
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3027-2BB04

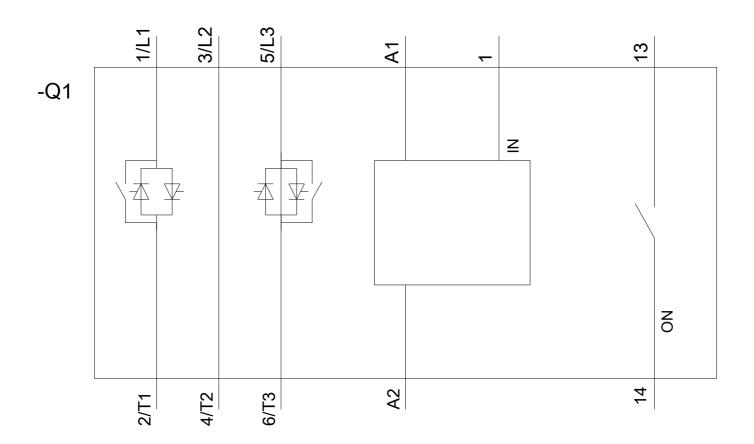
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW3027-2BB04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3027-2BB04&lang=en







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