SIEMENS



Data sheet

3RW4028-2BB15



SIRIUS soft starter S0 38 A, 22 kW/500 V, 40 °C 400-600 V AC, 110-230 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 		Yes
 motor overload protection 		Yes
 evaluation of thermistor motor protection 		No
external reset		Yes
 adjustable current limitation 		Yes
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 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 	А	38
 at 50 °C rated value 	А	34
• at 60 °C rated value	А	31
yielded mechanical performance for 3-phase motors		
• at 400 V		
 — at standard circuit at 40 °C rated value at 500 V 	kW	18.5
— at standard circuit at 40 °C rated value	kW	22
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	400 600
relative negative tolerance of the operating voltage at standard circuit	%	-15
relative positive tolerance of the operating voltage at standard circuit	%	10
minimum load [%]	%	20
adjustable motor current for motor overload protection minimum rated value	А	23

continuous exercting current F0/ of lol of 40 °C	%	
_ continuous operating current [% of le] at 40 °C power loss [W] at operational current at 40 °C during	. % W	
operation typical	٧V	¹⁹) dientudong
Control circuit/ Control		
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 voltage frequency	%	10
control supply voltage 1 at AC at 50 Hz	V	110 230
control supply voltage 1 at AC at 60 Hz	V	110 230
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
control supply voltage 1 at DC	V	110 230
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		SO
width	mm	45
height	mm	150
depth	mm	155
fastening method	-	screw and snap-on mounting
mounting position		With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° t
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 circuit		spring-loaded terminals
number of NC contacts for auxiliary contacts		0
number of NO contacts for auxiliary contacts		2
number of CO contacts for auxiliary contacts 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), max. 1x 10 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		
cables for main contacts for box terminal		
using the front clamping point		1x 8, 2x (16 10)
		1x 8, 2x (16 10)
 using the front clamping point type of connectable conductor cross-sections for main contacts solid 		1 10 mm²
• using the front clamping point type of connectable conductor cross-sections for main contacts		

						-
auxiliary contacts					\diop	tudone
 solid 				2x (0 . 2.5)	1m²	itudoni
-	d with core end processi	-		2x (0. p m		land
type of connectabl cables	e conductor cross-sec	tions at AWG				
 for main contain 	icts			16 10, 1x 8		
 for auxiliary co 	ontacts			2x (24 14)		
mbient conditions						
installation altitude	e at height above sea le	vel	m	5 000		
environmental cate	egory					
 during transport 	ort according to IEC 6072	21		2K2, 2C1, 2S1, 2	2M2 (max. fall heigl	ht 0.3 m)
 during transport according to IEC 60721 during storage according to IEC 60721 		1		1K6 (only occasi	ional condensation)), 1C2 (no salt mist),
				1S2 (sand must	not get inside the d	levices), 1M4
 during operation 	during operation according to IEC 60721			3K6 (no formation of ice, no condensation), 3C3 (no sal mist), 3S2 (sand must not get into the devices), 3M6		
ambient temperatu	re					
 during operation 	on		°C	-25 +60		
 during storage)		°C	-40 +80		
derating temperatu	ire		°C	40		
	on the front according	to IEC		IP20		
60529						
touch protection of	n the front according to	DIEC 60529		finger-safe, for v	ertical contact from	the front
ertificates/ approva	als					
General Product A	nnroval					EMC
(<u>Confirmation</u>			(ĥ	ŁĦL	
Declaration of	Confirmation Test Certificates	CCC	Ma	rine / Shipping	tHL	RCM
Declaration of Conformity		CCC	Ma	rine / Shipping	tHL	RCM
Conformity	Test Certificates	Special Test Cert			LHL	RCM
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Conformity	Test Certificates	Special Test Cert		Lloyds	EHL PRS	RCM
Conformity CE EG-Konf.	Test Certificates	Special Test Cert		Llovd's Register	EHL <i>PRS</i>	
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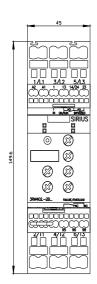
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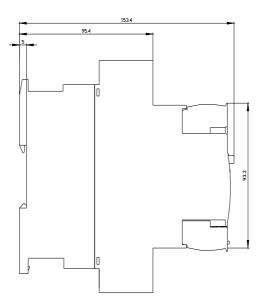
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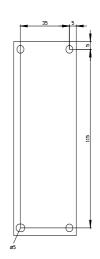
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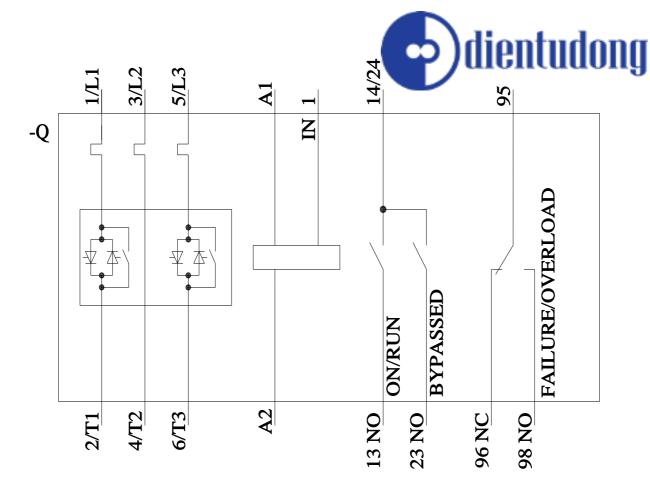


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