SIEMENS

Data sheet 3RW4076-6BB34



Figure similar

SIRIUS soft starter S12 385 A, 300 hp/460 V, 50 °C 200-460 V AC, 115 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5076-6AB14<<

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 	Α	432		
 at 50 °C rated value 	Α	385		
 at 60 °C rated value 	Α	335		
yielded mechanical performance for 3-phase motors				
● at 230 V				
 at standard circuit at 40 °C rated value 	kW	132		
● at 400 V				
 — at standard circuit at 40 °C rated value 	kW	250		
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated	hp	125		
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	200 460		
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	Α	207		

protection minimum rated value	0/	115
continuous operating current [% of le] at 40 °C power loss [W] at operational current at 40 °C during	% W	115 165
operation typical	VV	103
Control circuit/ Control		
type of voltage of the control supply voltage		AC
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 rated value	V	115
 at 60 Hz rated value 	V	115
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
display version for fault signal		red
Mechanical data		
size of engine control device		S12
width	mm	160
height	mm	230
depth	mm	278
fastening method		screw fixing
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	100
at the side	mm	5
downwards	mm	75
wire length maximum	m	300
number of poles for main current circuit		3
Connections/ Terminals		
type of electrical connection		
• for main current circuit		busbar connection
for auxiliary and control circuit		screw-type terminals
number of NC contacts for auxiliary contacts		0
number of NO contacts for auxiliary contacts		2
number of CO contacts for auxiliary contacts		1
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point		
finely stranded with core end processing		70 240 mm²
 finely stranded without core end processing stranded 		70 240 mm ² 95 300 mm ²
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point		
 finely stranded with core end processing 		120 185 mm²
finely stranded without core end processingstranded		120 185 mm ² 120 240 mm ²
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points		
finely stranded with core end processing		min. 2x 50 mm², max. 2x 185 mm²
finely stranded without core end processing		min. 2x 50 mm², max. 2x 185 mm²
• stranded		max. 2x 70 mm², max. 2x 240 mm²

type of connectable conductor cross-sections at AWG cables for main contacts for box terminal

• using the back clamping point

• using the front clamping point

• using both clamping points

type of connectable conductor cross-sections for DIN cable lug for main contacts

• finely stranded

stranded

type of connectable conductor cross-sections for auxiliary contacts

solid

finely stranded with core end processing

type of connectable conductor cross-sections at AWG cables

• for main contacts

· for auxiliary contacts

for auxiliary contacts finely stranded with core end processing

250 ... 500 kcmil 3/0 ... 600 kcmil

min. 2x 2/0, max. 2x 500 kcmil

50 ... 240 mm²

70 ... 240 mm²

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2/0 ... 500 kcmil

2x (20 ... 14)

2x (20 ... 16)

Ambient conditions

installation altitude at height above sea level environmental category

during transport according to IEC 60721

• during storage according to IEC 60721

• during operation according to IEC 60721

ambient temperature

during operation

• during storage derating temperature

protection class IP on the front according to IEC

60529

touch protection on the front according to IEC 60529

m 5 000

2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)

1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4

3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6

-25 ... +60

°C -25 ... +60 °C -40 ... +80

°C 40

IP00; IP20 with cover

finger-safe, for vertical contact from the front with cover

Certificates/ approvals

General Product Approval

EMC





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping

other



Special Test Certificate





Confirmation

UL/CSA ratings

yielded mechanical performance [hp] for 3-phase AC motor

• at 220/230 V

— at standard circuit at 50 °C rated value

• at 460/480 V

— at standard circuit at 50 °C rated value contact rating of auxiliary contacts according to UL

hp 150

hp 300 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,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

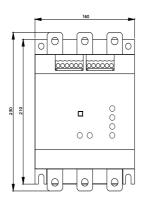
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4076-6BB34

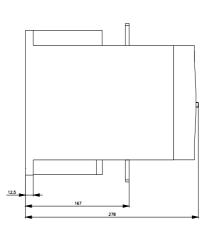
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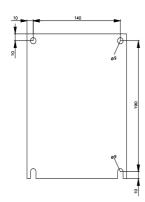
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4076-6BB34

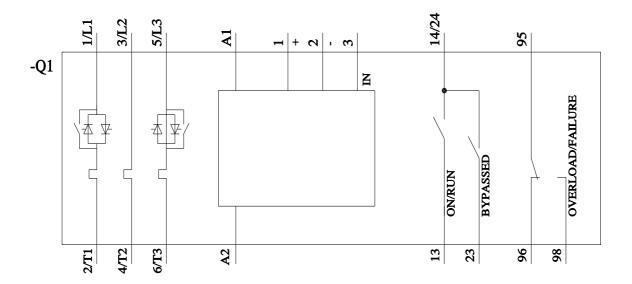
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW4076-6BB34

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RW4076-6BB34&lang=en









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