SIEMENS

Data sheet

3RW40 38-1BB05



SIRIUS SOFT STARTER, S2, 72A, 45KW/500V, 40 DEGR., AC 400-600V, AC/DC 24V, SCREW TERMINALS

General technical data	
product brandname	SIRIUS
 Product equipment Integrated bypass contact system 	Yes
 Product feature 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
Equipment marking acc. to DIN EN 61346-2	Q
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	G
Power Electronics	
Product designation	Soft starter

_	
А	72
	62
	60
\٨/	37 000
vv	
14/	45 000
	50 60
%	-10
%	10
	400 600
%	-15
%	10
%	20
А	35
	115
VV	15
_	
	AC/DC
	50
	60
%	-10
0/2	10
70	
-	
V	24
V	24
%	-20
%	20
V	24
	-20
/0	
70	
	% % A % W W Hz Hz % % % V V V V V % %

Display version for fault signal		red
Nechanical 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 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	30
downwards	mm	40
Installation altitude at height above sea level	m	5 000
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 		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		
• solid		2x (1.5 16 mm²)
 finely stranded with core end processing 		0.75 25 mm²
• stranded		0.75 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)

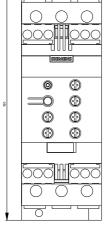
• stranded		2x (1.5 25 mm²)
Type of connectable conductor cross-sections at AWG conductors for main contacts for box terminal		
 using the back clamping point 		16 2
 using the front clamping point 		18 2
 using both clamping points 		2x (16 2)
Type of connectable conductor cross-sections for auxiliary contacts		
• solid		2x (0.5 2.5 mm²)
 finely stranded with core end processing 		2x (0.5 1.5 mm²)
Type of connectable conductor cross-sections at AWG conductors		
 for auxiliary contacts 		2x (20 14)
 for auxiliary contacts finely stranded with core 		2x (20 16)
end processing		
Ambient conditions		
Ambient temperature		
 during operation 	°C	-25 +60
 during storage 	°C	-40 +80
Derating temperature	°C	40
Protection class IP		IP00
Certificates/approvals		

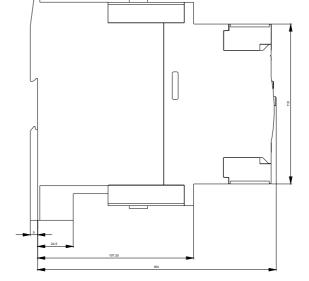
General Product	Approval			EMC	For use in hazardous locations
	CSA		EHC	C-Tick	ATEX
Declaration of Conformity	Test Certificates		Shipping App	roval	
EG-Konf.	Typprüfbescheinigu ng/Werkszeugnis	spezielle Prüfbescheinigunge <u>n</u>	GL	Lloyd's Register LRS	PRS
other					
Umweltbestätigung	Bestätigungen				

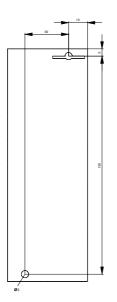
UL/CSA ratings		
Yielded mechanical performance [hp] for three-phase		
AC motor		
● at 460/480 V		
— at standard circuit at 50 °C rated value	hp	40
● at 575/600 V		
— at standard circuit at 50 °C rated value	hp	60
Contact rating of auxiliary contacts according to UL		B300 / R300

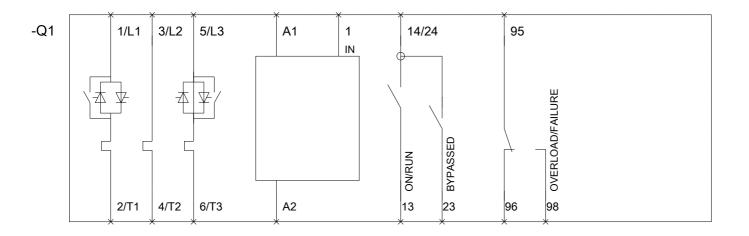
Further information	
Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917	
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4038-1BB05	
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4038-1BB05	
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RW4038-1BB05	
Image database (product images 2D dimension drawings 3D models, device circuit diagrams, EPI AN macros	١

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4038-1BB05&lang=en









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