SIEMENS

Data sheet 3RW40 24-1TB04



SIRIUS SOFT STARTER, S0, 12.5A, 5.5KW/400V, 40 DEGR., AC 200-480V, AC/DC 24V, SCREW TERMINALS, THERMISTOR MOTOR PROTECTION

Congrel technical data	
General technical data	OIDILIO
product brandname	SIRIUS
 Product equipment Integrated bypass contact 	Yes
system	
 Product feature Thyristors 	Yes
Product function	
 Intrinsic device protection 	Yes
 motor overload protection 	Yes
 Evaluation of thermistor motor protection 	Yes
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	G
according to IEC 204-2 acc. to IEC 750	
Power Electronics	
Product designation	Soft starter

Α	12.5
Α	11
Α	10
_	
W	3 000
W	5 500
hp	3
Hz	50 60
%	-10
%	10
V	200 480
%	-15
%	10
%	20
- % - A	5
A	5
A %	5 115
A %	5 115
A %	5 115 2
A % W	5 115 2 AC/DC
A % W	5 115 2 AC/DC 50
A % W Hz Hz	5 115 2 AC/DC 50 60
A % W Hz Hz %	5 115 2 AC/DC 50 60 -10
A % W Hz Hz %	5 115 2 AC/DC 50 60 -10
Hz Hz %	5 115 2 AC/DC 50 60 -10
Hz Hz %	5 115 2 AC/DC 50 60 -10 10
Hz Hz V V	5 115 2 AC/DC 50 60 -10 10 24 24
	A A W W hp Hz % V %

Relative negative tolerance of the control supply voltage at DC	%	-20
Relative positive tolerance of the control supply voltage at DC	%	20
Display version for fault signal		red

Mechanical data				
Size of engine control device		S0		
Width	mm	45		
Height	mm	125		
Depth	mm	155		
Mounting type		screw and snap-on mounting		
Mounting position	With additional fan: With vertical mounting surface 90° rotatable, with vertical mounting surface +/- tiltable to the front and back Without additional f With vertical mounting surface +/-10° rotatable, vertical mounting surface +/- 10° t			
Required spacing with side-by-side mounting				
• upwards	mm	60		
• at the side	mm	15		
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 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 conductors for main contacts for box terminal	
using the front clamping point	1x 8, 2x (16 10)
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		IP20		

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General Product Approval	EMC	For use in
		hazardous
		locations













Declaration of Conformity	Test Certificates		Shipping App	proval	
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EG-Konf.			GL	LRS	PRS

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OH	161

<u>Umweltbestätigung</u> <u>Bestätigungen</u>

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	3
● at 460/480 V		
— at standard circuit at 50 °C rated value	hp	7.5
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

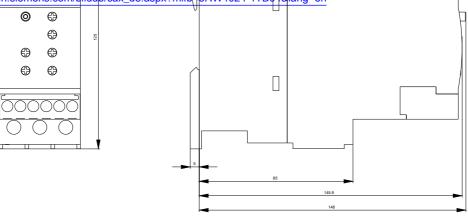
Industry Mall (Online ordering system)

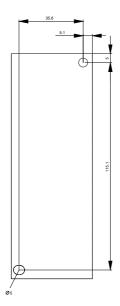
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4024-1TB04

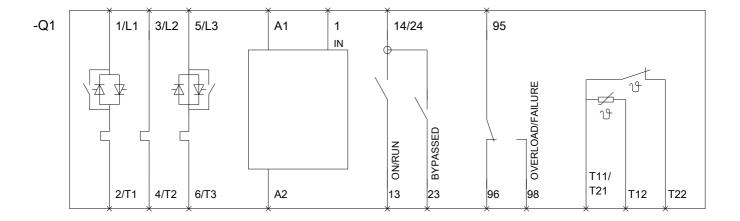
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4024-1TB04

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industrysiemens.com/cs/ww/en/ps/3RW4024-1TB04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4024-1TB048lang=en







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