



SIRIUS SOFT STARTER, S0, 25A,
11KW/400V, 40 DEGR., AC 200-480V,
AC/DC 110-230V, SPRING-LOADED TERMINALS

General details:		
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
Reference code		
• acc. to DIN EN 61346-2		Q
• acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		G
Power Electronics:		
Product designation		soft starters for standard applications
Operating current		

• at 40 °C / Rated value	A	25
• at 50 °C / Rated value	A	23
• at 60 °C / Rated value	A	21
Mechanical power output / for three-phase motors		
• at 230 V / at standard circuit / at 40 °C		
• Rated value	W	5,500
• at 400 V / at standard circuit / at 40 °C		
• Rated value	W	11,000
yielded mechanical performance [hp] / for three-phase AC motor / at 200/208 V / at standard circuit / at 50 °C / Rated value	hp	5
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 ... 480
Relative negative tolerance / of the operating voltage / at standard circuit	%	-15
Relative positive tolerance / of the operating voltage / at standard circuit	%	10
Minimum load in % of I_M	%	20
Adjustable motor current / for motor overload protection / minimum rated value	A	10
Continuous operating current in % of I_e / at 40 °C	%	115
Active power loss / at operating current / at 40 °C / during operation / typical	W	8

Control electronics:

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 / with AC / at 50 Hz	V	110 ... 230
Control supply voltage / 1 / with AC / at 60 Hz	V	110 ... 230
Relative negative tolerance / of the control supply voltage / with AC / at 60 Hz	%	-15
Relative positive tolerance / of the control supply voltage / with AC / at 60 Hz	%	10
Control supply voltage / 1 / for DC	V	110 ... 230
Relative negative tolerance / of the control supply voltage / for DC	%	-15

Relative positive tolerance / of the control supply voltage / for DC	%	10
Display version / for fault signal		red

Mechanical design:

Size of engine control device		S0
Width	mm	45
Height	mm	150
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 +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° t
Spacing required		
• with side-by-side mounting	mm	60
• with side-by-side mounting	mm	15
• with side-by-side mounting	mm	40
Installation altitude / at height above sea level	m	5,000
Cable length / maximum	m	300
Number of poles / for main current circuit		3

Electrical connections:

Design of the 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		2
Number of CO contacts / for auxiliary contacts		1
Type of connectable conductor cross-section / for main contacts / for box terminal / using the front clamping point		
• solid		2x (1.5 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²), max. 1x 10 mm ²
• finely stranded / with core end processing		2x (1.5 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
Type of connectable conductor cross-section / for AWG conductors / for main contacts / for box terminal		
• using the front clamping point		1x 8, 2x (16 ... 10)
Type of connectable conductor cross-section		
• for main contacts		
• solid		1 ... 10 mm ²
• finely stranded / with core end processing		1 ... 6 mm ²
• for AWG conductors / for main contacts		16 ... 10, 1x 8

Type of connectable conductor cross-section		
<ul style="list-style-type: none"> for auxiliary contacts <ul style="list-style-type: none"> solid finely stranded / with core end processing for AWG conductors / for auxiliary contacts 		2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (24 ... 14)

Ambient conditions:

Ambient temperature		
<ul style="list-style-type: none"> during operation during storage 	°C	-25 ... +60
	°C	-40 ... +80
Derating temperature	°C	40
Protection class IP		IP20

Certificates/approvals:

General Product Approval	EMC	For use in hazardous locations
---------------------------------	------------	---------------------------------------



Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



DNV

Shipping Approval



GL



LRS



PRS

other

[Declaration of Conformity](#)

[Environmental Confirmations](#)

UL/CSA ratings

yielded mechanical performance [hp] / for three-phase AC motor		
<ul style="list-style-type: none"> at 220/230 V / at standard circuit <ul style="list-style-type: none"> at 50 °C / Rated value at 460/480 V / at standard circuit <ul style="list-style-type: none"> at 50 °C / Rated value 	hp	5
	hp	15
Contact rating / of the auxiliary contacts / acc. to UL		B300 / R300

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

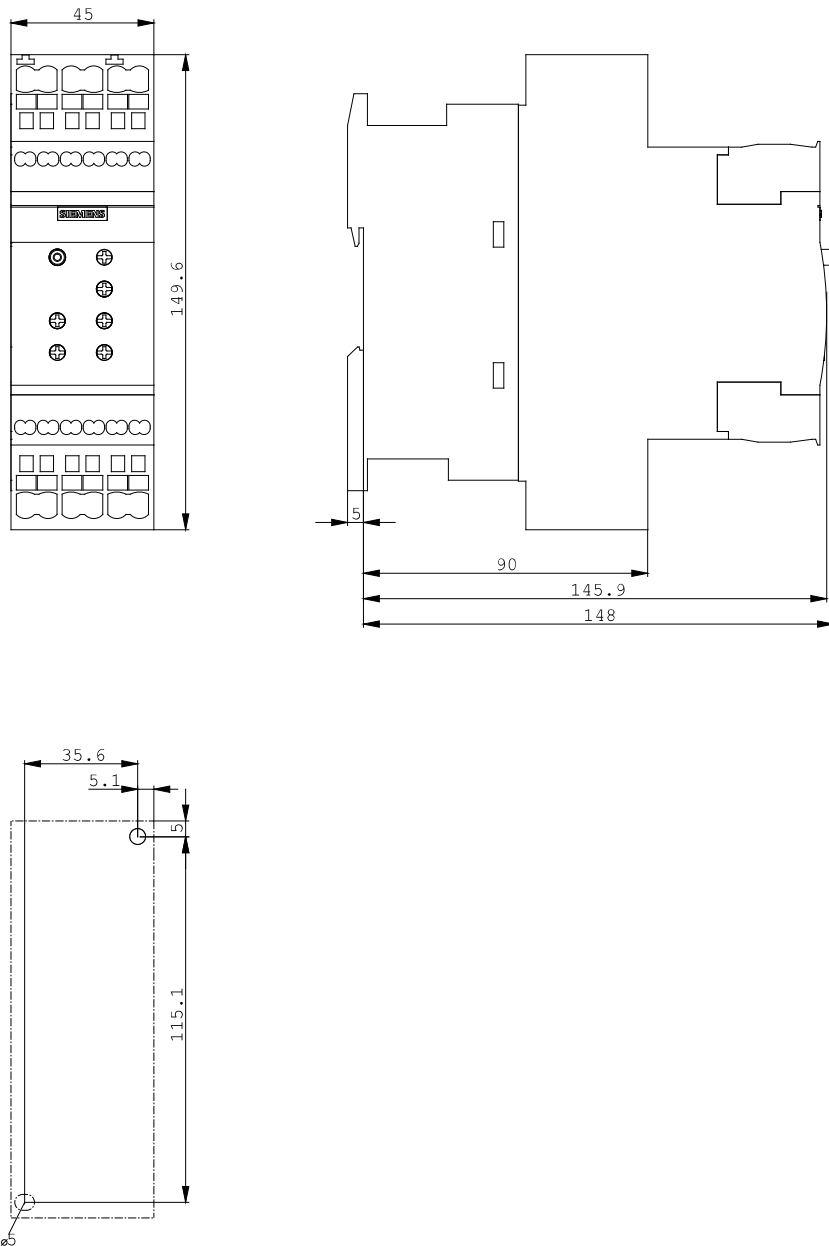
<http://www.siemens.com/industrial-controls/catalogs>

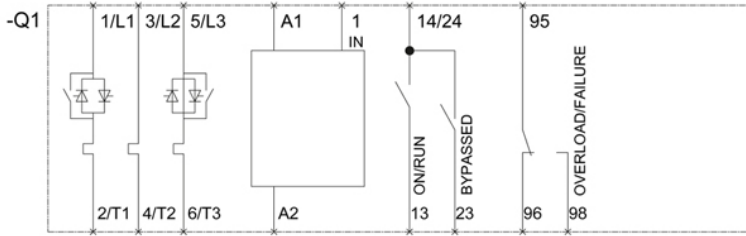
Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

<http://www.siemens.com/cax>





last change:

Sep 29, 2014