



SIRIUS, COMPACT STARTER, REVERSING STARTER 400 V, 110 ... 240 V AC/DC, 50 ... 60 HZ, 8 ... 32 A, IP20, MAIN CIRCUIT CONNECTION: PLUG-IN, W/O TERMINALS, AUXILIARY CIRCUIT CONNECTION: PLUG-IN, W/O TERMINALS

product brand name	SIRIUS
Product designation	compact starter
Design of the product	reversing feeder

General technical data:	
Product function	
• Control circuit interface to parallel wiring	Yes
Product expansion	
• Auxiliary switch	Yes
Insulation voltage	
• Rated value	690 V
Surge voltage resistance Rated value	6 000 V
maximum permissible voltage for safe isolation	
• between auxiliary and auxiliary circuit	250 V
• between control and auxiliary circuit	300 V
• between main and auxiliary circuit	400 V
Protection class IP	IP20
Degree of pollution	3
Vibration resistance	f= 4 ... 5.8 Hz, d= 15 mm; f= 5.8 ... 500 Hz, a= 20 m/s ² ; 10 cycles
Mechanical service life (switching cycles)	
• of the main contacts typical	10 000 000
• of the auxiliary contacts typical	10 000 000
• of the signaling contacts typical	10 000 000
Electrical endurance (switching cycles) of the auxiliary contacts	
• at DC-13 at 6 A at 24 V typical	100 000

<ul style="list-style-type: none"> • at AC-15 at 6 A at 230 V typical 	500 000
Electrical endurance (switching cycles) of the signaling contacts	
<ul style="list-style-type: none"> • at DC-13 at 6 A at 24 V typical 	100 000
<ul style="list-style-type: none"> • at AC-15 at 6 A at 230 V typical 	500 000
Type of assignment	continuous operation according to IEC 60947-6-2
Equipment marking	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	Q

Ambient conditions:

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-20 ... +60 °C
<ul style="list-style-type: none"> • during storage 	-55 ... +80 °C
<ul style="list-style-type: none"> • during transport 	-55 ... +80 °C
Relative humidity during operation	10 ... 90 %

Main circuit:

Number of poles for main current circuit	3
Adjustable response value current of the current-dependent overload release	8 ... 32 A
Formula for making capacity limit current	12 x I _e
Formula for interruption capacity limit current	10 x I _e
Mechanical power output for 4-pole AC motor	
<ul style="list-style-type: none"> • at 400 V Rated value 	15 kW
Operating voltage	
<ul style="list-style-type: none"> • at AC-3 Rated value maximum 	400 V
Operating current	
<ul style="list-style-type: none"> • at AC at 400 V Rated value 	32 A
<ul style="list-style-type: none"> • at AC-43 	
<ul style="list-style-type: none"> — at 400 V Rated value 	29 A
No-load switching frequency	3 600 1/h
Operating frequency	
<ul style="list-style-type: none"> • at AC-41 acc. to IEC 60947-6-2 maximum 	750 1/h
<ul style="list-style-type: none"> • at AC-43 acc. to IEC 60947-6-2 maximum 	250 1/h

Control circuit/ Control:

Type of voltage	AC
Control supply voltage 1 at AC	
<ul style="list-style-type: none"> • at 50 Hz 	110 ... 240 V
<ul style="list-style-type: none"> • at 60 Hz 	110 ... 240 V
Control supply voltage 1	
<ul style="list-style-type: none"> • at DC 	110 ... 240 V
<ul style="list-style-type: none"> • Rated value 	50 Hz

Control supply voltage frequency 2 Rated value	60 Hz
Holding power	
• with AC maximum	5.2 W
• for DC maximum	5.8 W

Auxiliary circuit:

Number of NC contacts	
• for auxiliary contacts	0
Number of NO contacts	
• for auxiliary contacts	2
• of the instantaneous short-circuit release for signaling contact	1
Number of CO contacts	
• of the current-dependent overload release for signaling contact	1
Operating current of the auxiliary contacts at AC-12 maximum	10 A
Operating current of the auxiliary contacts at DC-13	
• at 250 V	0.27 A

Protective and monitoring functions:

Trip class	CLASS 10 and 20 adjustable
OFF-delay time	50 ms
Operational short-circuit current breaking capacity (Ics)	
• at 400 V	53 kA

UL/CSA ratings:

Full-load current (FLA) for three-phase AC motor	
• at 480 V Rated value	32 A
yielded mechanical performance [hp]	
• for three-phase AC motor	
— at 200/208 V Rated value	7.5 hp
— at 220/230 V Rated value	10 hp
— at 460/480 V Rated value	20 hp
Contact rating of the auxiliary contacts acc. to UL	contacts 21-22, 13-14, 43-44 Q600 / A600, contacts 77-78 R300 / B300, contacts 95-96-98 R300 / D300

Short-circuit:

Design of the fuse link	
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
• for short-circuit protection of the signaling switch of the short-circuit release required	6A gL/gG/400V
• for short-circuit protection of the signaling switch of the overload release required	4A gL/gG/400V

Installation/ mounting/ dimensions:	
mounting position	any
<ul style="list-style-type: none"> • recommended 	vertical, on horizontal standard mounting rail
Mounting type	screw and snap-on mounting
Height	170 mm
Width	90 mm
Depth	165 mm

Connections/ Terminals:	
Product function	
<ul style="list-style-type: none"> • removable terminal for main circuit 	Yes
<ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit 	Yes
Type of electrical connection	
<ul style="list-style-type: none"> • for main current circuit 	plug-in without terminals
<ul style="list-style-type: none"> • for auxiliary and control current circuit 	plug-in without terminals

Safety related data:	
B10 value with high demand rate acc. to SN 31920	2 000 000
Proportion of dangerous failures	
<ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 	40 %
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	50 %
T1 value for proof test interval or service life acc. to IEC 61508	20 y

Communication/ Protocol:	
Product function Bus communication	No

Electromagnetic compatibility:	
Conducted interference due to burst acc. to IEC 61000-4-4	4 kV main contacts, 2 kV auxiliary contacts
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5	4 kV main contacts, 2 kV auxiliary contacts
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5	2 kV main contacts, 1 kV auxiliary contacts
Conducted interference due to high-frequency radiation acc. to IEC 61000-4-6	0.15-80Mhz at 10V
Field-bound parasitic coupling acc. to IEC 61000-4-3	10 V/m
Electrostatic discharge acc. to IEC 61000-4-2	8 kV
Conducted HF-interference emissions acc. to CISPR11	150 kHz ... 30 MHz Class A
Field-bound HF-interference emission acc. to CISPR11	30 ... 1000 MHz Class A

Supply voltage:	
Supply voltage required Auxiliary voltage	No

Certificates/ approvals:

General Product Approval	EMC	Functional Safety/Safety of Machinery
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Declaration of Conformity	Test Certificates	Shipping Approval
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[Typprüfbescheinigung/Werkszeugnis](#)



Shipping Approval	other
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[Umweltbestätigung](#)

Further information

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

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

Industry Mall (Online ordering system)

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

Cax online generator

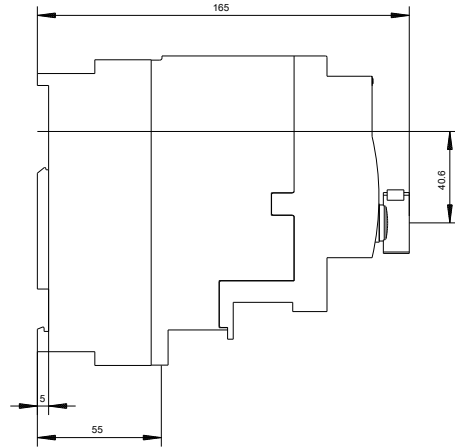
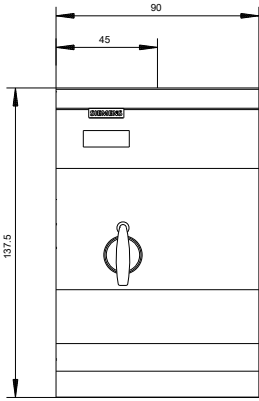
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA62500EP30>

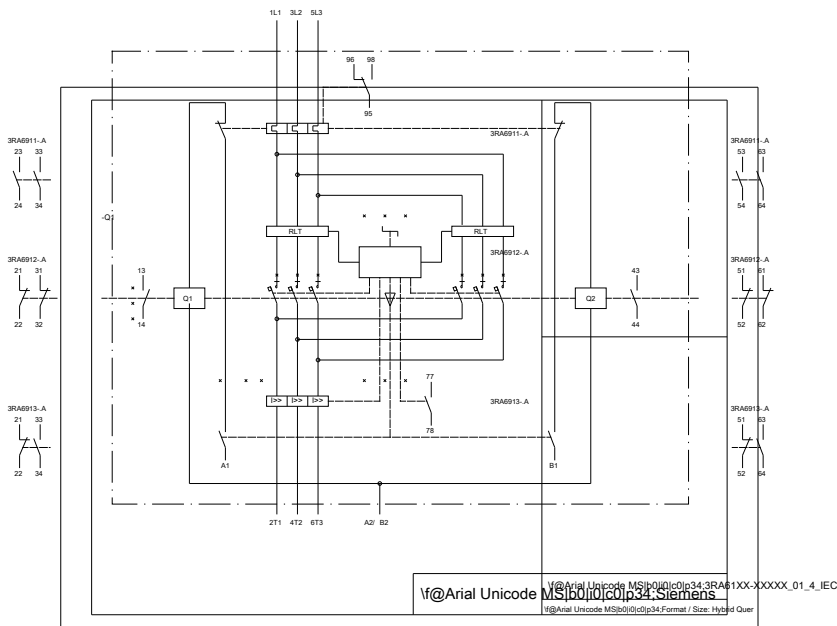
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RA62500EP30>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA62500EP30&lang=en





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