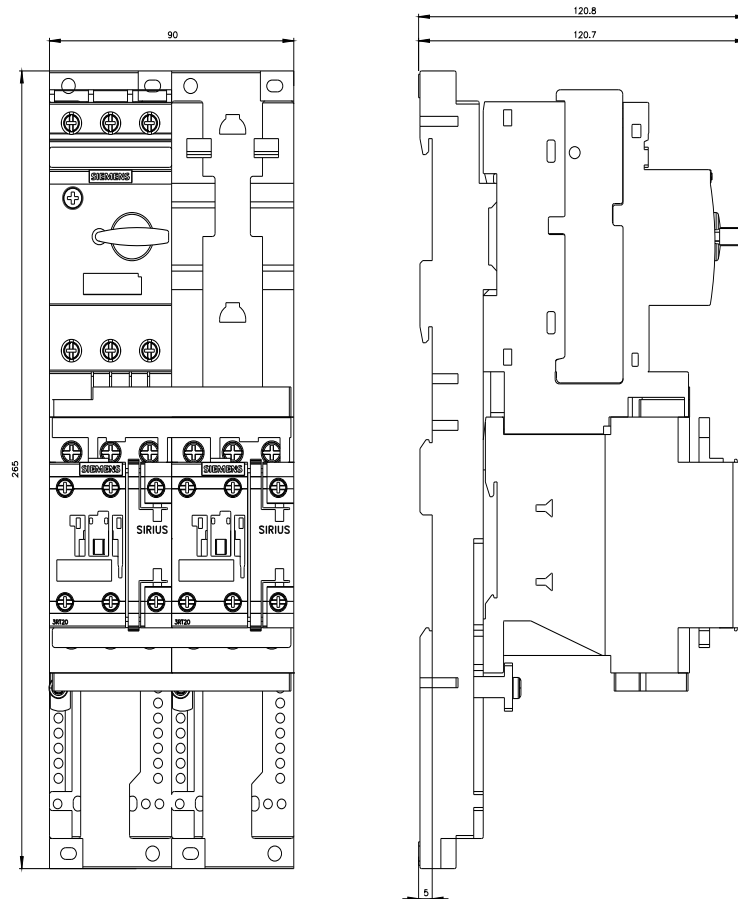


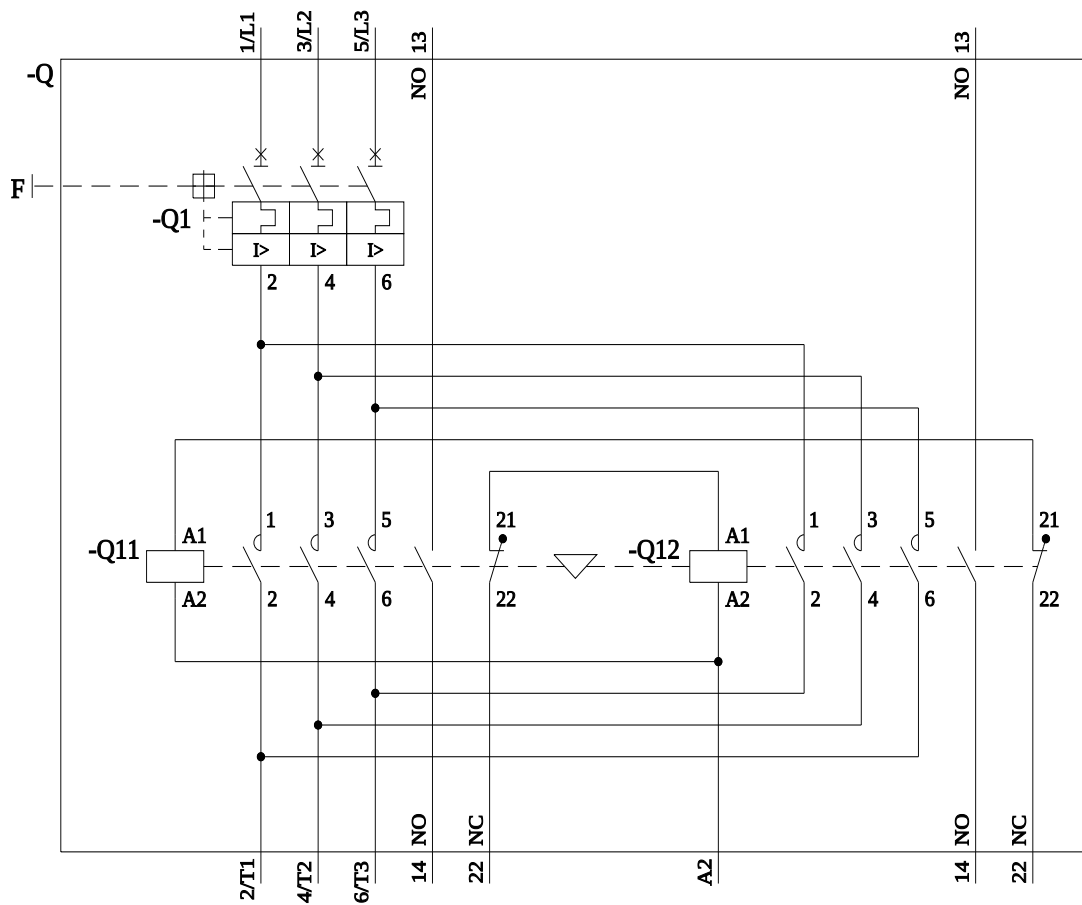
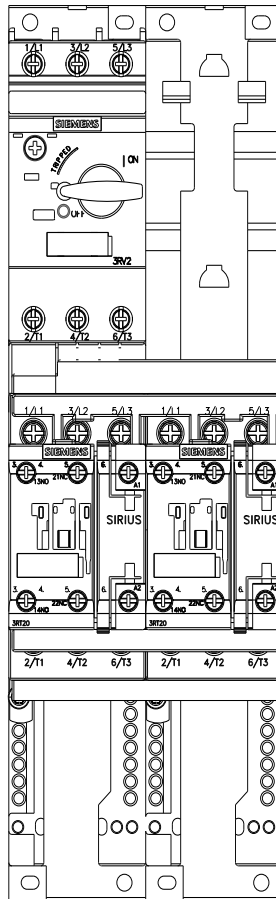


Fuseless motor starter Reversing operation 600VAC Size S0 0.7-1A 110/120VAC 50/60HZ screw connection For 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (per contactor)

product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	reversing starter
manufacturer's article number	
• of the supplied contactor	3RT2023-1AK60
• of the supplied circuit-breakers	3RV2011-0JA10
• of the supplied RH assembly kit	3RA2923-1BB1
• of the supplied busbar adapter	3RA2922-1AA00
• of the supplied link module	3RA2921-1AA00
• of the supplied DIN-rail adapter	3RA2922-1AA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S0
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
type of assignment	2
Substance Prohibittance (Date)	03/01/2017
SVHC substance name	Lead - 7439-92-1
Weight	1.43 kg
Ambient conditions	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-55 ... +80 °C
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	0.7 ... 1 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current at AC-3 at 400 V rated value	0.85 A
operating power at AC-3	
• at 400 V rated value	250 W

• at 500 V rated value • at 690 V rated value		370 W	
		550 W	
Control circuit/ Control			
control supply voltage at AC			
• at 50 Hz rated value		110 V	
• at 50 Hz rated value		88 ... 121 V	
• at 60 Hz rated value		120 V	
• at 60 Hz rated value		96 ... 132 V	
apparent holding power of magnet coil at AC		7.2 VA	
inductive power factor with the holding power of the coil		0.28	
Auxiliary circuit			
number of NC contacts for auxiliary contacts		2	
number of NO contacts for auxiliary contacts		2	
Protective and monitoring functions			
trip class		CLASS 10	
design of the overload release		thermal (bimetallic)	
response value current of instantaneous short-circuit trip unit		13 A	
UL/CSA ratings			
yielded mechanical performance [hp]			
• for 3-phase AC motor			
— at 575/600 V rated value		0.5 hp	
Short-circuit protection			
product function short circuit protection		Yes	
design of the short-circuit trip		magnetic	
conditional short-circuit current (Iq)			
• at 400 V according to IEC 60947-4-1 rated value		153 000 A	
Installation/ mounting/ dimensions			
mounting position		vertical	
fastening method		snap-on fastening on 35 mm DIN rail	
height		265 mm	
width		90 mm	
depth		120 mm	
required spacing			
• for grounded parts			
— forwards		10 mm	
— backwards		0 mm	
— upwards		30 mm	
— at the side		9 mm	
— downwards		10 mm	
• for live parts			
— forwards		10 mm	
— backwards		0 mm	
— upwards		30 mm	
— downwards		10 mm	
— at the side		9 mm	
Connections/ Terminals			
type of electrical connection for main current circuit		screw-type terminals	
type of connectable conductor cross-sections for main contacts stranded		1 ... 10 mm², 2x (2.5 ... 6 mm²)	
connectable conductor cross-section for main contacts finely stranded with core end processing		1 ... 6 mm²	
Safety related data			
proportion of dangerous failures with high demand rate according to SN 31920		73 %	
B10 value with high demand rate according to SN 31920		1 000 000	
Electrical Safety			
protection class IP on the front according to IEC 60529		IP20	
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front	
Approvals Certificates			
General Product Approval	For use in hazardous locations	other	Environment

Further information**Information on the packaging**<https://support.industry.siemens.com/cs/ww/en/view/109813875>**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=3RA2220-0JB23-0AK6>**Cax online generator**<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-0JB23-0AK6>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-0JB23-0AK6>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-0JB23-0AK6&lang=en**Characteristic: Tripping characteristics, I_t, Let-through current**<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-0JB23-0AK6/char>**Further characteristics (e.g. electrical endurance, switching frequency)**<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-0JB23-0AK6&objecttype=14&gridview=view1>



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