



Combination Starter Reversing FLA Range 0.55-0.8A 3 Pole 24VDC Coil S2 Open
Type 1NO <(>&<)> 1NC Aux

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	3RT2023-1BB40
• of the supplied circuit-breakers	3RV2011-0HA10
• of the supplied RH assembly kit	3RA2923-1BB1
• of the supplied busbar adapter	3RA2922-1AA00
• of the supplied link module	3RA2921-1BA00
• 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 coordination	2
Net Weight	1.81 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	0.55 ... 0.8 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	0.6 A
operating power at AC-3	
• at 400 V rated value	180 W
• at 500 V rated value	250 W

• at 690 V rated value	370 W				
Control circuit/ Control					
control supply voltage at DC rated value	24 V				
holding power of magnet coil at DC	5.9 W				
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	10.4 A				
Short-circuit protection					
product function short circuit protection	Yes				
design of the short-circuit trip	magnetic				
conditional short-circuit current (I _q)					
• 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	130 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 mm ² , 2x (2.5 ... 6 mm ²)				
connectable conductor cross-section for main contacts finely stranded with core end processing	1 ... 6 mm ²				
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					
Environment	General Product Approval	For use in hazardous locations	other		
Environmental Confirmations					Confirmation
other	Dangerous goods				



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RA2220-0HB23-0BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-0HB23-0BB4>

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

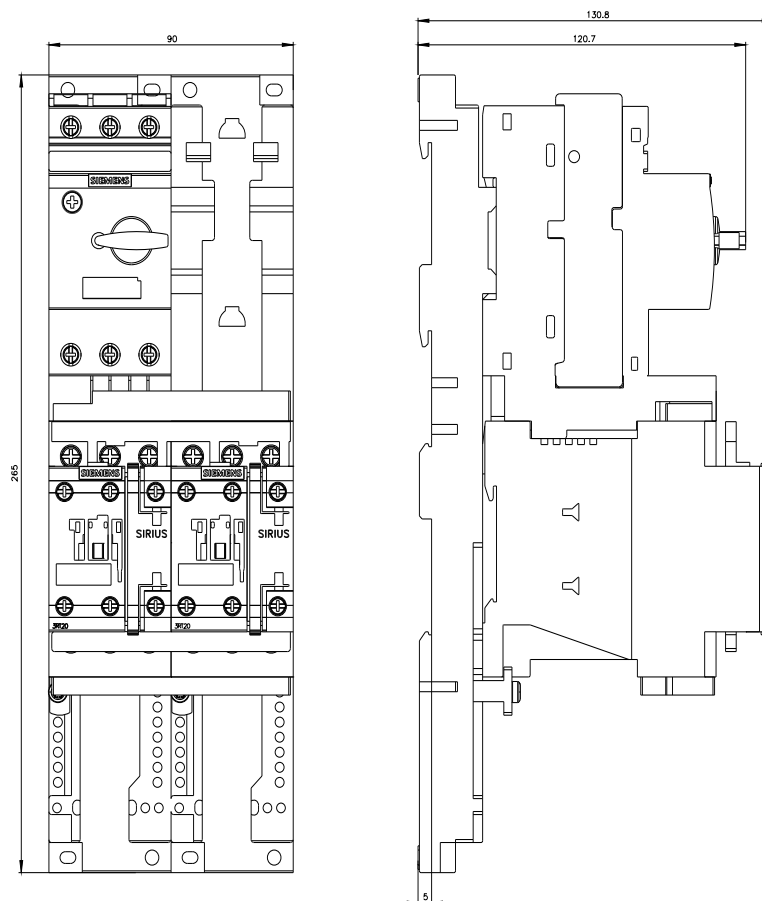
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-0HB23-0BB4&lang=en

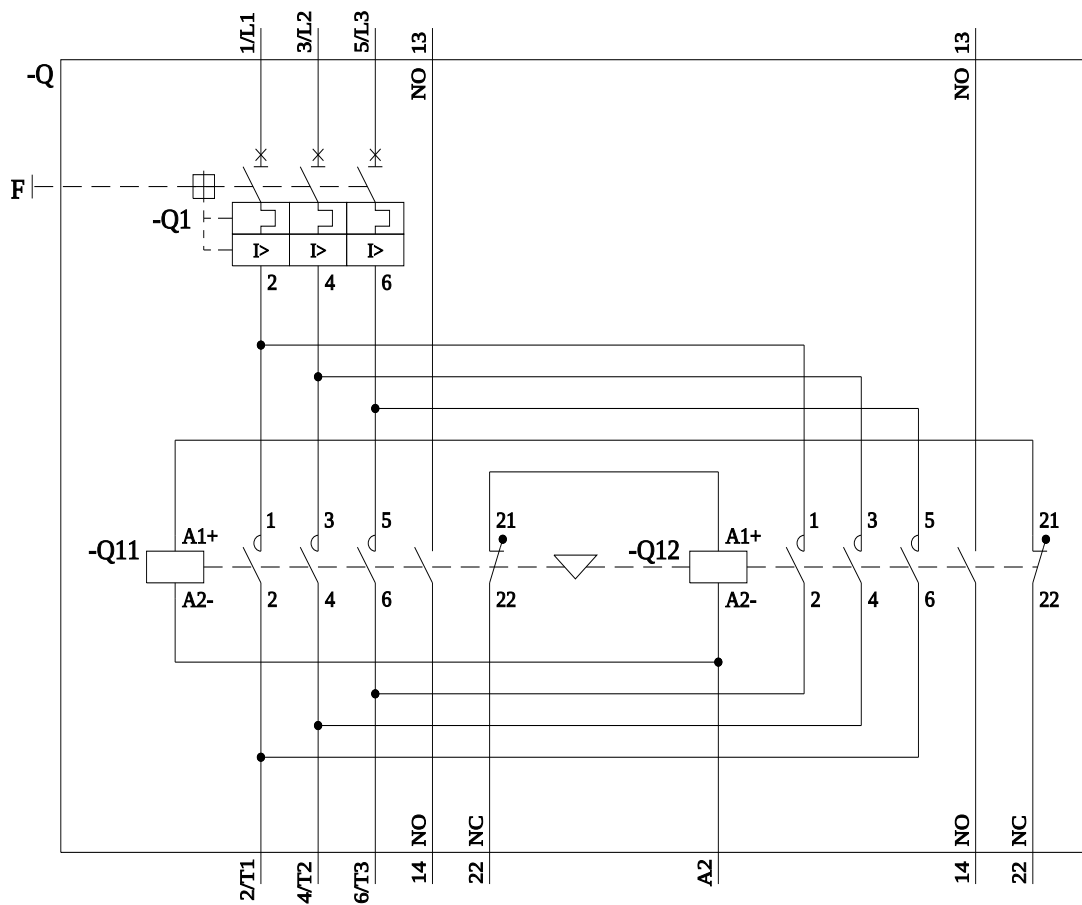
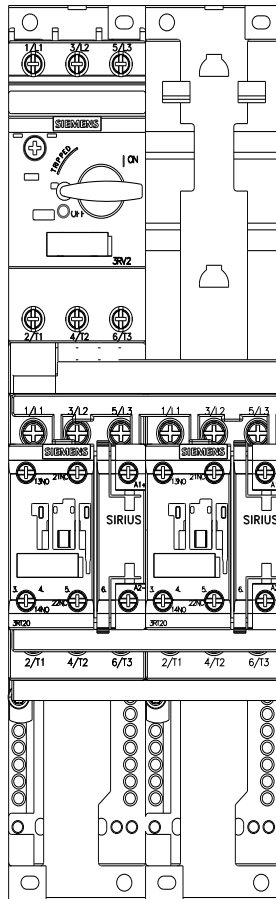
Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-0HB23-0BB4>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





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