



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S0 13...20 A
24 V DC Spring-type terminal for installation on standard mounting rail
Type of coordination 1, I_q = 150 kA 1 NO+1 NC (contactor)

product brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for standard rail or screw mounting
product type designation	3RA21
manufacturer's article number	
• of the supplied contactor	3RT2026-2BB40
• of the supplied circuit-breakers	3RV2021-4BA20
• of the supplied link module	3RA2921-2AA00
General technical data	
size of the circuit-breaker	S0
size of load feeder	S0
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance acc. to IEC 60068-2-27	6g / 11 ms
mechanical service life (switching cycles) of contactor typical	10 000 000
type of assignment	1
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
Substance Prohibition (Date)	01.10.2009 00:00:00
Ambient conditions	
• ambient temperature during operation	-20 ... +60 °C
• ambient temperature during storage	-50 ... +80 °C
• ambient temperature during transport	-50 ... +80 °C
temperature compensation	-20 ... +60 °C
relative humidity during operation	10 ... 95 %
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	13 ... 20 A
• operating voltage rated value	690 V
• operating voltage 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	15.5 A

operating power at AC-3		7 500 W	
• at 400 V rated value			
Control circuit/ Control			
type of voltage of the control supply voltage		DC	
control supply voltage at DC		24 V	
• rated value			
holding power of magnet coil at DC		5.9 W	
Auxiliary circuit			
product extension auxiliary switch		Yes	
Protective and monitoring functions			
trip class		CLASS 10	
design of the overload release		thermal (bimetallic)	
Short-circuit protection			
product function short circuit protection		Yes	
design of the short-circuit trip		magnetic	
conditional short-circuit current (I _q)		150 000 A	
• at 400 V acc. to IEC 60947-4-1 rated value			
Installation/ mounting/ dimensions			
mounting position		vertical	
fastening method		screw and snap-on mounting onto 35 mm standard mounting rail	
height		243 mm	
width		45 mm	
depth		107 mm	
required spacing			
• for grounded parts			
— forwards			
— backwards			
— upwards			
— at the side			
— downwards			
• for live parts			
— forwards			
— backwards			
— upwards			
— downwards			
— at the side			
Connections/ Terminals			
type of electrical connection		spring-loaded terminals	
• for main current circuit			
Safety related data			
B10 value with high demand rate acc. to SN 31920		1 000 000	
proportion of dangerous failures		73 %	
• with high demand rate acc. to SN 31920			
touch protection on the front acc. to IEC 60529		finger-safe, for vertical contact from the front	
Certificates/ approvals			
General Product Approval		For use in hazardous locations	Declaration of Conformity



[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

Railway



[Confirmation](#)

[Vibration and Shock](#)

Further information

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=3RA2120-4BE26-0BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2120-4BE26-0BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4BE26-0BB4>

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

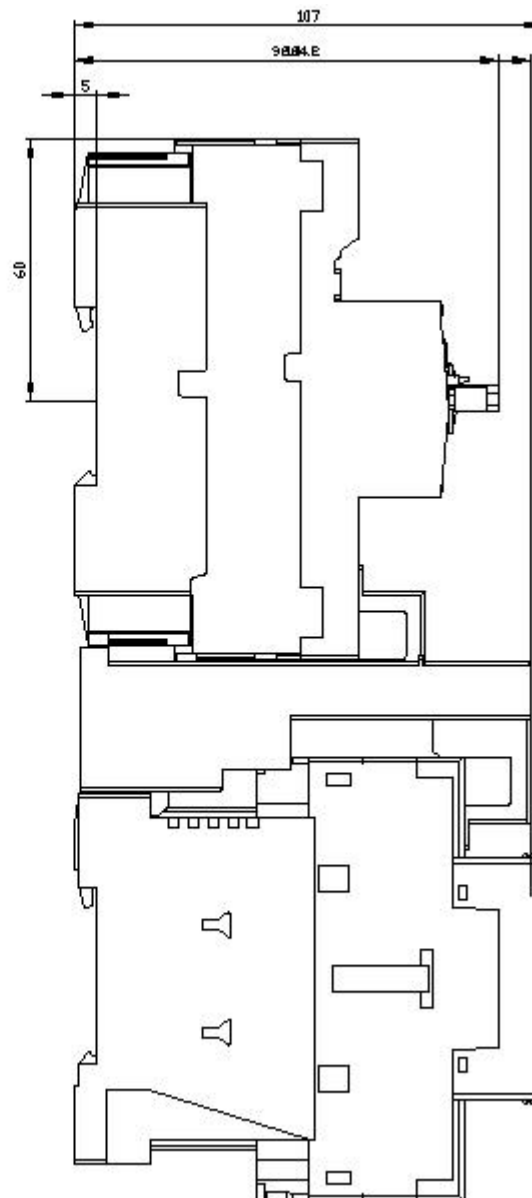
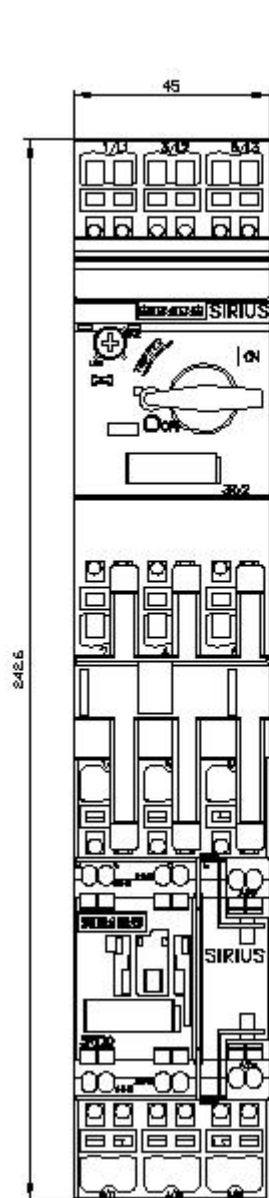
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2120-4BE26-0BB4&lang=en

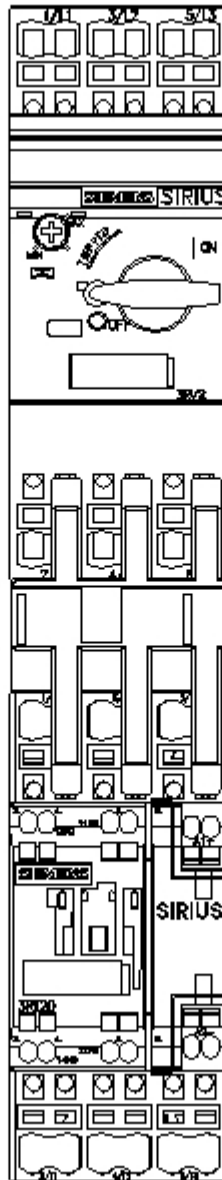
Characteristic: Tripping characteristics, I²t, Let-through current

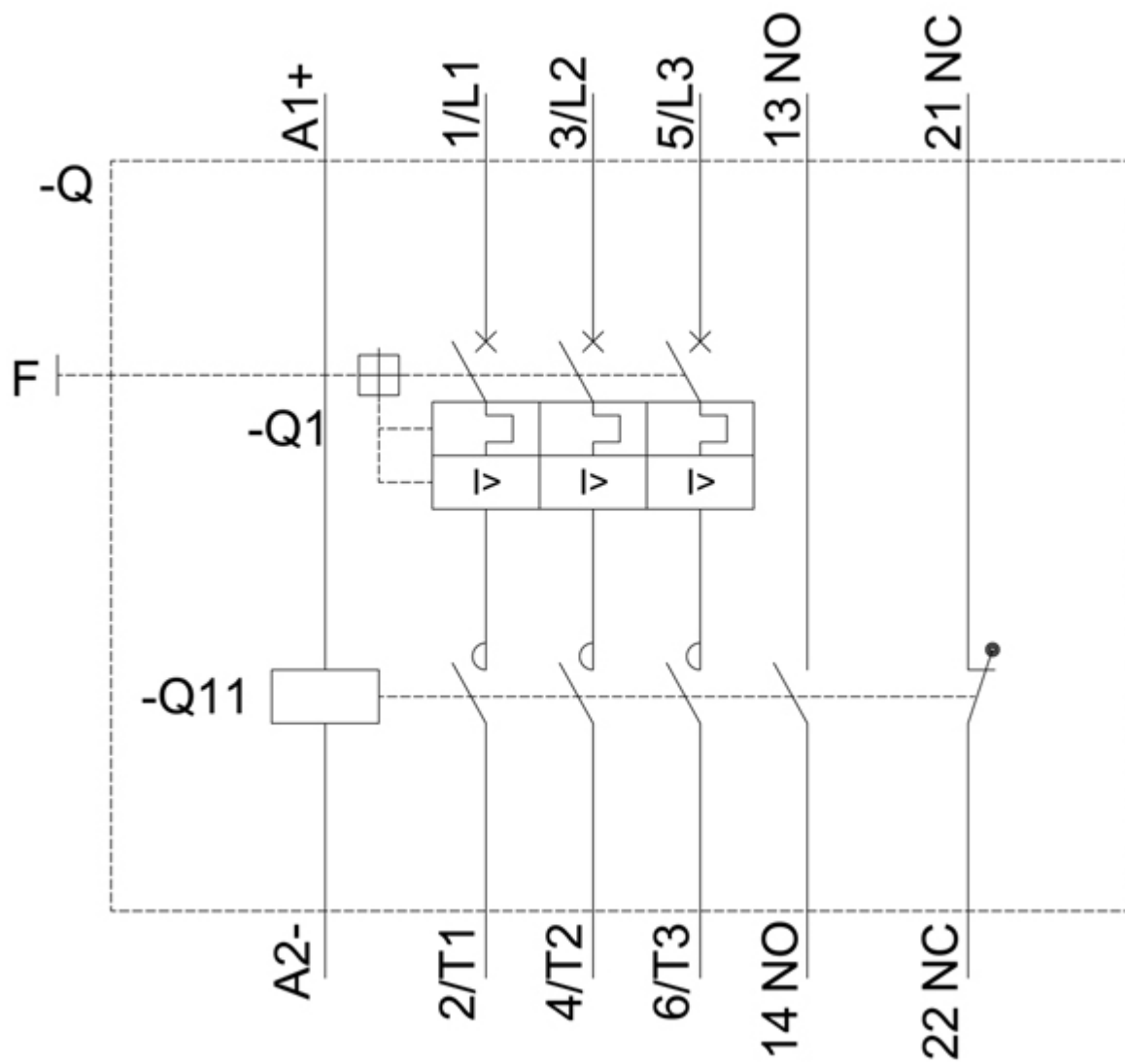
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4BE26-0BB4/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-4BE26-0BB4&objecttype=14&gridview=view1>







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12/15/2020