

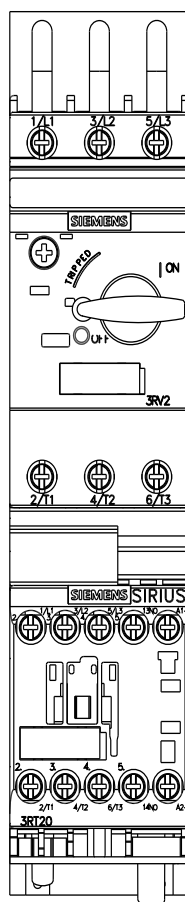
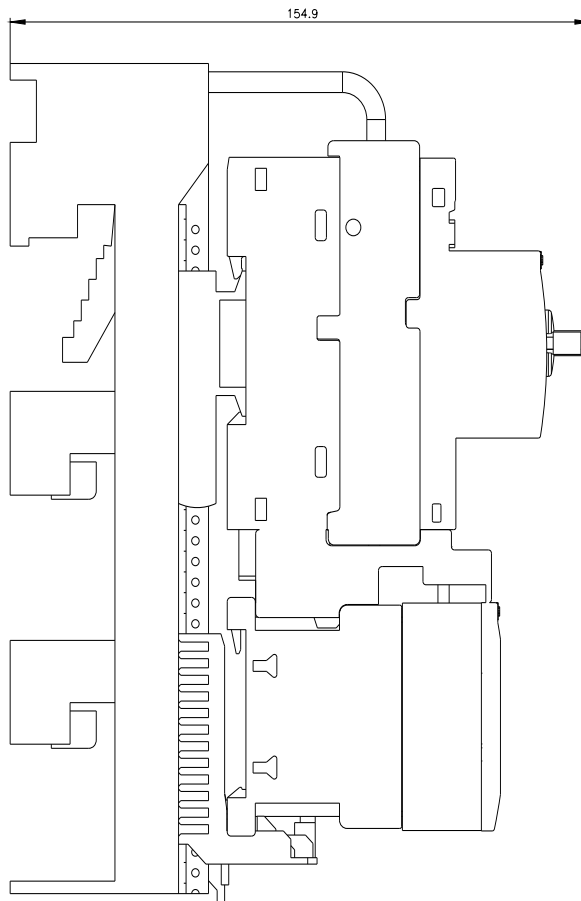
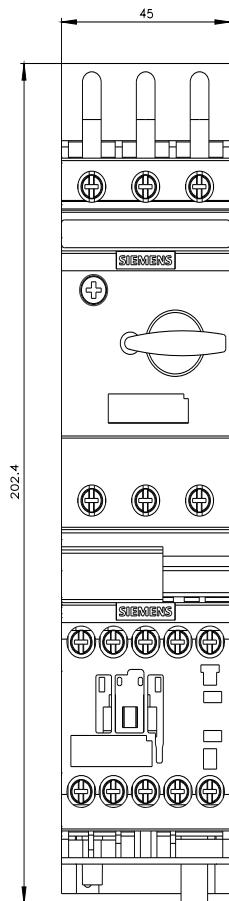


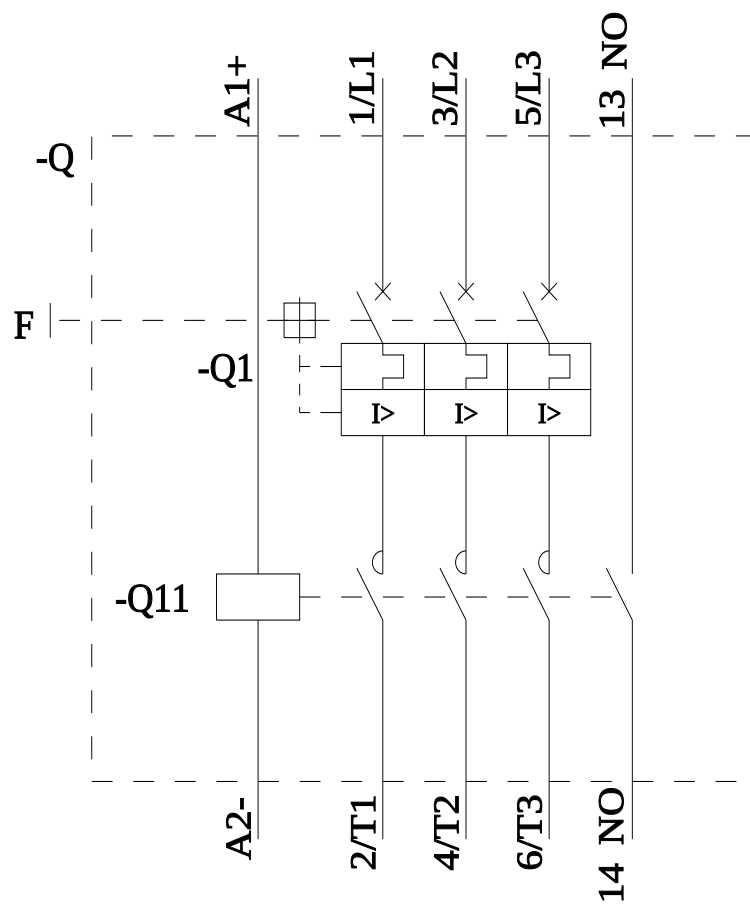
Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.90...1.25 A 24 V DC screw terminal for 60 mm busbar systems (also fulfills type of coordination 1)
Type of coordination 2, I_q = 150 kA 1 NO (contactor)

product brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for 60 mm busbars
product type designation	3RA21
manufacturer's article number	
• of the supplied contactor	3RT2015-1BB41
• of the supplied circuit-breakers	3RV2011-0KA10
• of the supplied busbar adapter	8US1251-5DS10
• of the supplied link module	3RA1921-1DA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
power loss [W] for rated value of the current	
• at AC in hot operating state per pole	2.6 W
• without load current share typical	4 W
type of calculation of power loss current-dependent	quadratic
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
degree of protection NEMA rating	other
shock resistance according to IEC 60068-2-27	6 g / 11 ms
mechanical service life (operating cycles) of contactor typical	30 000 000
type of coordination	2
reference code according to IEC 81346-2:2019	Q
Substance Prohibitance (day/month/year)	10/01/2009
SVHC substance name	Lead CAS-No. 7439-92-1
Net Weight	1.09 kg
Ambient conditions	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• 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	0.9 ... 1.25 A
operating voltage	

• rated value	690 V
• at AC-3 rated value maximum	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current	
• at AC-3 at 400 V rated value	1.3 A
• at AC-3e at 400 V rated value	1.25 A
operating power	
• at AC-3 — at 400 V rated value	370 W
• at AC-3e — at 400 V rated value	370 W
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	24 V
holding power of magnet coil at DC	4 W
Auxiliary circuit	
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	16 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1.3 A
• at 600 V rated value	1.3 A
yielded mechanical performance [hp]	
• for 3-phase AC motor — at 460/480 V rated value	0.8 hp
— at 575/600 V rated value	0.8 hp
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	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	for snapping onto 60 mm busbar systems
height	203 mm
width	45 mm
depth	155 mm
required spacing	
• for grounded parts — forwards	20 mm
— backwards	0 mm
— upwards	50 mm
— at the side	20 mm
— downwards	10 mm
• for live parts — forwards	20 mm
— backwards	0 mm
— upwards	50 mm
— downwards	10 mm
— at the side	20 mm
Connections/ Terminals	
type of electrical connection	
• for main current circuit	screw-type terminals
• for auxiliary and control circuit	screw-type terminals

Safety related data					
product function suitable for safety function		Yes			
Electrical Safety					
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front			
Communication/ Protocol					
protocol is supported					
• PROFINET IO protocol		No			
• PROFIsafe protocol		No			
protocol is supported AS-Interface protocol		No			
Approvals Certificates					
Environment	General Product Approval	For use in hazardous locations			
Environmental Confirmations	 UL	 EAC	 EG-Konf.	 UKCA	 ATEX
Test Certificates		Maritime application			
Type Test Certificates/Test Report	Special Test Certificate	 ABS	 BUREAU VERITAS	 DNV	 LRS
Maritime application		other			
 PRS	 RINA	 RMRS	Confirmation	Confirmation	 产品合格 QC PASS
Railway	Dangerous goods				
Special Test Certificate	Transport Information				
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=3RA2110-0KD15-1BB4 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0KD15-1BB4 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0KD15-1BB4&lang=en Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0KD15-1BB4 Characteristic curves <a href='https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>'>https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>					





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