3RA2110-0BS15-1BB4

Data sheet



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.14...0.20 A 24 V DC Spring-type terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (contactor) Adapter length 200 mm

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 	<u>3RT2015-2BB41</u>
 of the supplied circuit-breakers 	3RV2011-0BA20
 of the supplied busbar adapter 	<u>8US1251-5DS11</u>
 of the supplied link module 	3RA2911-2AA00
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 W
without load current share typical	4 W
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	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	30 000 000
type of assignment	2
reference code according to IEC 81346-2:2019	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	1.111 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	0.14 0.2 A
operating voltage	
rated value	690 V
• at AC-3 rated value maximum	690 V

at AC-3e rated value maximum	690 V
	690 V 50 60 Hz
operating frequency rated value operational current	JU 00 FIZ
at AC-3 at 400 V rated value	0.2 A
at AC-3 at 400 V rated value at AC-3e at 400 V rated value	0.2 A
operating power	···
• at AC-3	
— at 400 V rated value	60 W
• at AC-3e	
— at 400 V rated value	60 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	2.6 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	0.2 A
at 600 V rated value	0.2 A
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	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
mounting position fastening method	for snapping onto 60 mm busbar systems
fastening method height	for snapping onto 60 mm busbar systems 230 mm
fastening method height width	for snapping onto 60 mm busbar systems 230 mm 45 mm
fastening method height width depth	for snapping onto 60 mm busbar systems 230 mm
fastening method height width depth required spacing	for snapping onto 60 mm busbar systems 230 mm 45 mm
fastening method height width depth required spacing • for grounded parts	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm
fastening method height width depth required spacing • for grounded parts — forwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 20 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 20 mm 10 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 20 mm 10 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 20 mm 10 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — upwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 0 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — at the side — downwards — downwards — forwards — forwards — backwards — backwards — backwards — upwards — downwards	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 20 mm 10 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards — at the side — downwards — at the side	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 0 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — at the side — downwards • at the side — downwards — forwards — forwards — backwards — backwards — upwards — at the side Connections/ Terminals	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 20 mm 10 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — at the side Connections/ Terminals type of electrical connection	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 10 mm 50 mm 20 mm 10 mm 50 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 20 mm 0 mm 50 mm 0 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side Connections/ Terminals type of electrical connection • for auxiliary and control circuit	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 10 mm 50 mm 20 mm 10 mm 50 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — townwards — backwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 20 mm 0 mm 50 mm 20 mm spring-loaded terminals spring-loaded terminals
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — to downwards — backwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data product function suitable for safety function	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 20 mm 0 mm 50 mm 0 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — to downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data product function suitable for safety function Electrical Safety	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 50 mm 10 mm 50 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data product function suitable for safety function Electrical Safety touch protection on the front according to IEC 60529	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 20 mm 0 mm 50 mm 20 mm spring-loaded terminals spring-loaded terminals
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data product function suitable for safety function Electrical Safety touch protection on the front according to IEC 60529 Communication/ Protocol	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm 50 mm spring-loaded terminals spring-loaded terminals
fastening method height width depth required spacing	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 50 mm 10 mm 50 mm
fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data product function suitable for safety function Electrical Safety touch protection on the front according to IEC 60529 Communication/ Protocol	for snapping onto 60 mm busbar systems 230 mm 45 mm 155 mm 20 mm 0 mm 50 mm 20 mm 10 mm 50 mm 10 mm 50 mm 50 mm 50 mm 10 mm 50 mm 10 mm 50 mm 10 mm 50 mm 10 mm 10 mm 20 mm

Approvals Certificates

General Product Approval

For use in hazardous locations





Confirmation







Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping





Confirmation

other

Transport Information

Dangerous goods

Environmental Confirmations

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)

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0BS15-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0BS15-1BB4

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

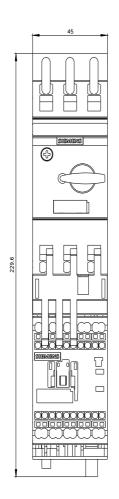
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0BS15-1BB4\&lang=ender.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0BS15-1BB4\&lang=ender.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0BS15-1BB4\&lang=ender.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0BS15-1BB4&lang=ender.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx.com$

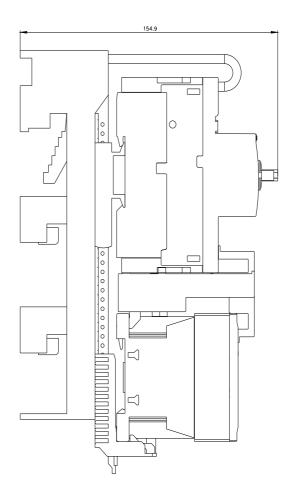
Characteristic: Tripping characteristics, I^2t , Let-through current

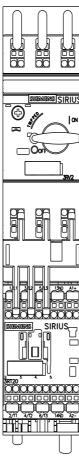
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0BS15-1BB4/char

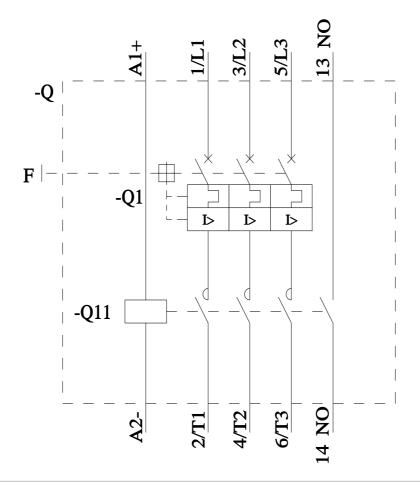
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0BS15-1BB4&objecttype=14&gridview=view1









last modified: 6/4/2024 🖸