

LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ. S00, 0.7...1A, 4KW, 24 V DC SCREW CONNECTION FOR MOUNTING ON STANDARD RAIL, TYPE OF COORDINATION 2, IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1) 1NC (CONTACTOR) 1NO+1NC (CIRCUIT BREAKER, TRANSVERSE) REUSABLE PACKAGING CONTAINS 24 UNITS

product brandname	SIRIUS
Product designation	non-fused load feeders 3RA2
Design of the product	direct starter
Manufacturer's article number	
• of the supplied contactor	3RT2016-1BB42
• of the supplied circuit-breakers	3RV2011-0JA15
• of the supplied link module	3RA1921-1DA00

General technical data	
Size of the circuit-breaker	S00
Size of load feeder	S00
Insulation voltage	
• with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
Protection class IP	
• on the front	IP20
Shock resistance	
• acc. to IEC 60068-2-27	6g / 11 ms
Type of assignment	2
Protection against electrical shock	finger-safe

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 %

Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up 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
Operating current	
• at AC-3 — at 400 V rated value	0.85 A
Operating power	
• at AC-3 — at 400 V rated value	250 W
Control circuit/ Control	
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)
UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	1 A
Yielded mechanical performance [hp]	
• for three-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 (I_q)	
• at 400 V acc. to IEC 60947-4-1 rated value	153 000 A
Installation/ mounting/ dimensions	
Mounting position	vertical
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail
Height	167.2 mm
Width	45 mm
Depth	97.1 mm
Required spacing	
• for grounded parts — forwards — Backwards — upwards	20 mm 0 mm 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
----------------------------	----------------------

Safety related data

B10 value

• with high demand rate acc. to SN 31920	1 000 000
--	-----------

Proportion of dangerous failures

• with high demand rate acc. to SN 31920	73 %
--	------

Certificates/approvals

General Product Approval

For use in hazardous locations

Declaration of Conformity



CSA



UL



ATEX



IECEX



EG-Konf.

Test Certificates

Shipping Approval

other

[Typprüfbescheinigung/Werkszeugnis](#)

[spezielle
Prüfbescheinigungen](#)
[n](#)



ABS



PRS



RINA

[Umweltbestätigung](#)

other

Railway

[Bestätigungen](#)

[Schwingen/Schocke](#)
[n](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2115-0JA16-2BB4-Z X95>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0JA16-2BB4-Z X95>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0JA16-2BB4-Z X95>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0JA16-2BB4-Z X95&lang=en

last modified:

10/19/2016