



Load feeder fuseless, Reversing duty 400 V AC, Size S00 0.28...0.40 A 24 V DC screw terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, I_q = 150 kA 1 NC (contactor)

product brand name
product designation
design of the product
product type designation
manufacturer's article number

- of the supplied contactor
- of the supplied circuit-breakers
- of the supplied link module

SIRIUS
 Reversing starter
 for standard rail or screw mounting
 3RA22

[3RT2015-1BB42](#)
[3RV2011-0EA10](#)
[3RA1921-1DA00](#)

General technical data

size of the circuit-breaker S00
size of load feeder S00
 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 (switching cycles) of contactor typical 30 000 000
type of assignment 2
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 Prohibitance (Date) 10/01/2009

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 0.28 ... 0.4 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 • at AC-3e at 400 V rated value	0.3 A
operating power	0.3 A
• at AC-3 — at 400 V rated value • at AC-3e — at 400 V rated value	90 W
	90 kW
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value • rated value	24 V
	24 ... 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 3-phase AC motor	
• at 480 V rated value	0.4 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	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	170 mm
width	90 mm
depth	97 mm
required spacing	
• for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side	32 mm
	0 mm
	50 mm
	10 mm
	10 mm
	32 mm
	0 mm
	50 mm
	10 mm
	10 mm
Connections/ Terminals	
type of electrical connection	
• for main current circuit • for auxiliary and control circuit	screw-type terminals
	screw-type terminals
type of connectable conductor cross-sections	
• for main contacts — stranded • at AWG cables for main contacts	0.5 ... 4 mm ² , 2x (0.75 ... 2.5 mm ²)
connectable conductor cross-section for main contacts	2x (20 ... 16), only for contactor 2x (18 ... 14), 2x 12
finely stranded with core end processing	0.5 ... 2.5 mm ²
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
• with high demand rate according to SN 31920	73 %
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

- PROIsafe protocol

No

protocol is supported AS-Interface protocol

No

Certificates/ approvals

General Product Approval

For use in hazard-
ous locations

Declaration of
Conformity



[Confirmation](#)



EG-Konf.

Declaration of
Conformity

Test Certificates

Marine / Shipping



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



BUREAU
VERITAS



LRS

Marine / Shipping

other

Railway



PRS



RINA



RMRS



DNV-GL

[Confirmation](#)

[Vibration and Shock](#)

Dangerous Good

[Transport Information](#)

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=3RA2210-0EA15-2BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-0EA15-2BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0EA15-2BB4>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0EA15-2BB4&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0EA15-2BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0EA15-2BB4&objecttype=14&gridview=view1>





