

REV. COMB. FOR 3RA27, AC3, 11KW/400V, DC24V
3-POLE, SZ S0 SPRING-LOADED TERMINAL
ELECTR. AND MECH. INTERLOCK 2NO INTEGR.

| | | |
|--|--|--|
| product brand name | | SIRIUS |
| Product designation | | reversing contactor assembly 3RA23 |
| Manufacturer article number | | |
| <ul style="list-style-type: none"> • 1 of the supplied contactor • 2 of the supplied contactor • of the supplied RH assembly kit • of the supplied function module for communication | | 3RT2026-2BB40-0CC0 3RT2026-2BB40 3RA2923-2AA2 3RA2711-2BA00 |

General technical data:

| | | |
|--|----|------------------------------|
| Insulation voltage | | |
| <ul style="list-style-type: none"> • with degree of pollution 3 Rated value | V | 690 |
| Degree of pollution | | 3 |
| Shock resistance | | 9.8g / 5 ms and 5.9g / 10 ms |
| Surge voltage resistance Rated value | kV | 6 |
| Mechanical service life (switching cycles) | | |
| <ul style="list-style-type: none"> • of the contactor typical • of the contactor with added auxiliary switch block typical | | 10 000 000 10 000 000 |
| Protection class IP | | |
| <ul style="list-style-type: none"> • on the front | | IP20 |
| Equipment marking | | |
| <ul style="list-style-type: none"> • acc. to DIN EN 81346-2 | | Q |

Main circuit:

| | | |
|---|--|---|
| Number of poles for main current circuit | | 3 |
| Number of NC contacts for main contacts | | 0 |

| | | |
|---|----|------|
| Number of NO contacts for main contacts | | 3 |
| Operating voltage | | |
| • at AC-3 Rated value maximum | V | 690 |
| Operating current | | |
| • at AC-1 | | |
| — at 400 V at ambient temperature 40 °C Rated value | A | 40 |
| — at 400 V at ambient temperature 60 °C Rated value | A | 35 |
| • at AC-2 at 400 V Rated value | A | 25 |
| • at AC-3 | | |
| — at 400 V Rated value | A | 25 |
| • at AC-4 at 400 V Rated value | A | 15.5 |
| Operating current with 1 current path | | |
| • at DC-1 | | |
| — at 24 V Rated value | A | 35 |
| — at 110 V Rated value | A | 4.5 |
| • at DC-3 at DC-5 | | |
| — at 24 V Rated value | A | 20 |
| — at 110 V Rated value | A | 2.5 |
| Operating current with 2 current paths in series | | |
| • at DC-1 | | |
| — at 24 V Rated value | A | 35 |
| — at 110 V Rated value | A | 35 |
| • at DC-3 at DC-5 | | |
| — at 110 V Rated value | A | 15 |
| — at 24 V Rated value | A | 35 |
| Operating current with 3 current paths in series | | |
| • at DC-1 | | |
| — at 24 V Rated value | A | 35 |
| — at 110 V Rated value | A | 35 |
| • at DC-3 at DC-5 | | |
| — at 110 V Rated value | A | 35 |
| — at 24 V Rated value | A | 35 |
| Operating power | | |
| • at AC-2 at 400 V Rated value | kW | 11 |
| • at AC-4 at 400 V Rated value | kW | 7.5 |
| Operating power | | |
| • at AC-3 | | |
| — at 400 V Rated value | kW | 11 |
| — at 500 V Rated value | kW | 11 |
| — at 690 V Rated value | kW | 11 |

| | | |
|------------------------------------|-----|-------|
| Operating frequency | | |
| • at AC-3 maximum | 1/h | 1 000 |
| No-load switching frequency | 1/h | 1 500 |

Control circuit/ Control:

| | | |
|--|---|---------------|
| Type of voltage of the control supply voltage | | DC |
| Control supply voltage 1 | | |
| • for DC Rated value | V | 24 |
| Operating range factor control supply voltage rated value of the magnet coil for DC | | 0.8 ... 1.1 |
| Design of the surge suppressor | | with varistor |
| Closing power of the magnet coil for DC | W | 5.9 |
| Holding power of the magnet coil for DC | W | 5.9 |

Auxiliary circuit:

| | | |
|---|---|--|
| Number of NC contacts | | |
| • for auxiliary contacts | | |
| — per direction of rotation | | 0 |
| — instantaneous contact | | 0 |
| — lagging switching | | 0 |
| Number of NO contacts | | |
| • for auxiliary contacts | | |
| — per direction of rotation | | 0 |
| — instantaneous contact | | 0 |
| — leading contact | | 0 |
| Product expansion Auxiliary switch | | Yes |
| Operating current of the auxiliary contacts at AC-12 maximum | A | 10 |
| Operating current of the auxiliary contacts at AC-15 | | |
| • at 230 V | A | 6 |
| • at 400 V | A | 3 |
| Operating current of the auxiliary contacts at DC-13 | | |
| • at 24 V | A | 10 |
| • at 60 V | A | 2 |
| • at 110 V | A | 1 |
| • at 220 V | A | 0.3 |
| Contact reliability of the auxiliary contacts | | < 1 error per 100 million operating cycles |

UL/CSA ratings:

| | | |
|---|---|----|
| Full-load current (FLA) for three-phase AC motor | | |
| • at 480 V Rated value | A | 21 |
| • at 600 V Rated value | A | 22 |
| yielded mechanical performance [hp] | | |

- for single-phase AC motor at 110/120 V Rated value
- for single-phase AC motor at 230 V Rated value
- for three-phase AC motor at 220/230 V Rated value
- for three-phase AC motor at 460/480 V Rated value
- for three-phase AC motor at 575/600 V Rated value

| | |
|-----------|-----|
| metric hp | 2 |
| metric hp | 3 |
| metric hp | 7.5 |
| metric hp | 15 |
| metric hp | 20 |

Contact rating of the auxiliary contacts acc. to UL

A600 / Q600

Short-circuit:

Design of the fuse link

- for short-circuit protection of the main circuit
 - with type of assignment 1 required
 - with type of assignment 2 required
- for short-circuit protection of the auxiliary switch required

gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE:
100 A

gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE:
35 A

fuse gL/gG: 10 A

Installation/ mounting/ dimensions:

mounting position

+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface

Mounting type

screw and snap-on mounting onto 35 mm standard mounting rail

Height

mm 114

Width

mm 90

Depth

mm 107

Required spacing

- with side-by-side mounting
 - forwards
 - Backwards
 - upwards
 - downwards
 - at the side
- for grounded parts
 - forwards
 - Backwards
 - upwards
 - at the side
 - downwards
- for live parts

| | |
|----|---|
| mm | 6 |
| mm | 0 |
| mm | 6 |
| mm | 6 |
| mm | 6 |
| mm | 6 |
| mm | 6 |
| mm | 0 |
| mm | 6 |
| mm | 6 |
| mm | 6 |
| mm | 6 |

| | | |
|---------------|----|---|
| — forwards | mm | 6 |
| — Backwards | mm | 0 |
| — upwards | mm | 6 |
| — downwards | mm | 6 |
| — at the side | mm | 6 |

Connections/ Terminals:

| | | |
|--|--|-----------------------------------|
| Type of electrical connection | | |
| • for main current circuit | | spring-loaded terminals |
| • for auxiliary and control current circuit | | spring-loaded terminals |
| Type of connectable conductor cross-section | | |
| • for main contacts | | |
| — single or multi-stranded | | 2x (1 ... 10 mm ²) |
| — finely stranded with core end processing | | 2x (1 ... 6 mm ²) |
| — finely stranded without core end processing | | 2x (1 ... 6 mm ²) |
| • for AWG conductors for main contacts | | 1x (18 ... 8) |
| • for auxiliary contacts | | |
| — single or multi-stranded | | 2x (0,5 ... 2,5 mm ²) |
| — finely stranded with core end processing | | 2x (0.5 ... 1.5 mm ²) |
| — finely stranded without core end processing | | 2x (0.5 ... 1.5 mm ²) |
| • for AWG conductors for auxiliary contacts | | 2x (20 ... 14) |

Safety related data:

| | | |
|---|-----|-------------|
| B10 value with high demand rate acc. to SN 31920 | | 1 000 000 |
| Proportion of dangerous failures | | |
| • with low demand rate acc. to SN 31920 | % | 40 |
| • with high demand rate acc. to SN 31920 | % | 75 |
| Failure rate [FIT] with low demand rate acc. to SN 31920 | FIT | 100 |
| T1 value for proof test interval or service life acc. to IEC 61508 | y | 20 |
| Protection against electrical shock | | finger-safe |

Mechanical data:

| | | |
|--------------------------|--|----|
| Size of contactor | | S0 |
|--------------------------|--|----|





Communication/ Protocol:

| | | |
|--|--|-----|
| Product function Bus communication | | Yes |
| Protocol is supported | | |
| • AS-interface protocol | | No |
| Product function Control circuit interface with IO link | | Yes |

Ambient conditions:


| | | |
|---|----|-------------|
| Installation altitude at height above sea level maximum | m | 2 000 |
| Ambient temperature | | |
| • during operation | °C | -25 ... +60 |
| • during storage | °C | -55 ... +80 |

Certificates/ approvals:

| General Product Approval | Declaration of Conformity | Test Certificates | Shipping Approval |
|---|--|---|--|
|  CSA |  UL |  EAC |  EG-Konf. |
| | | Special Test Certificate |  ABS |

Shipping Approval



| Shipping Approval | other |
|--|---|
|  RMRS | Environmental Confirmations |
| | other |

Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

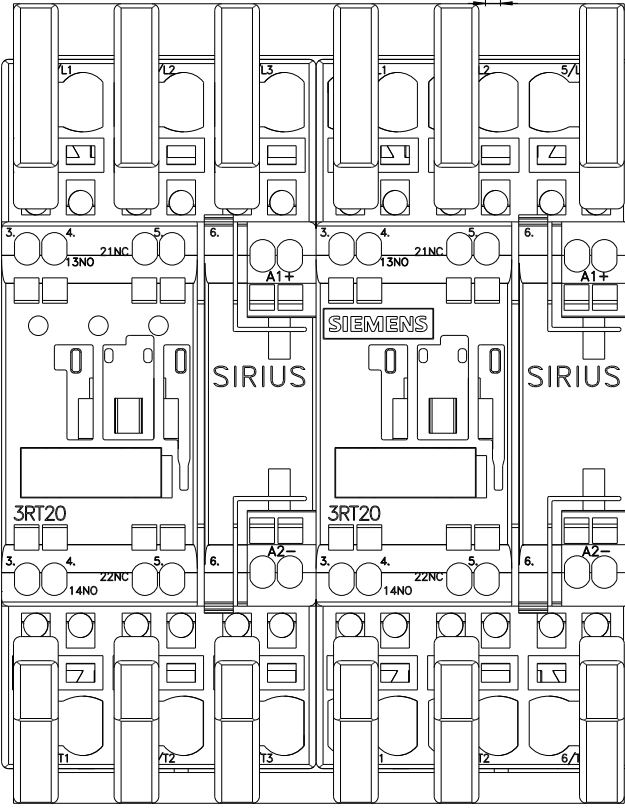
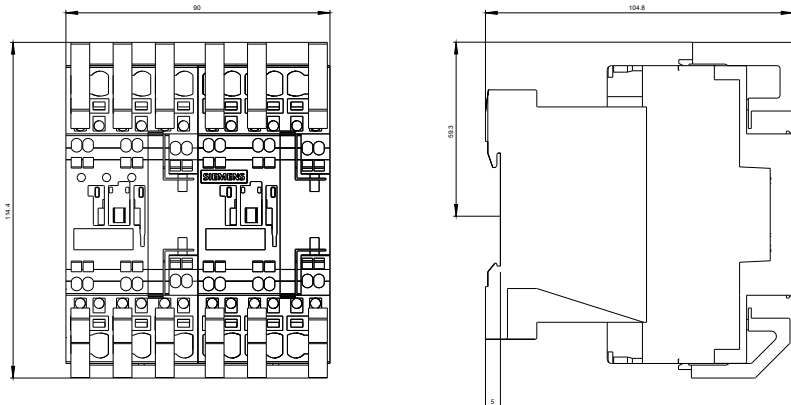
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA23268XE302BB4>

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

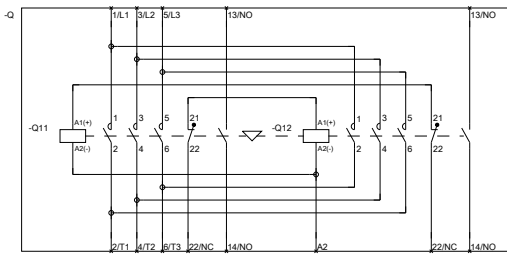
<http://support.automation.siemens.com/WW/view/en/3RA23268XE302BB4/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA23268XE302BB4&lang=en



WENDEKOMBINATION BGR. 50



REVERSING COMB. SZ 50

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