

reversing contactor assembly, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, screw terminal, electrical and mechanical interlock



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| product brand name | SIRIUS |
| product designation | Reversing contactor assembly |
| product type designation | 3RA23 |
| manufacturer's article number | |
| <ul style="list-style-type: none"> • 1 of the supplied contactor • 2 of the supplied contactor • of the supplied RH assembly kit | 3RT2015-1AP62 3RT2015-1AP62 3RA2913-2AA1 |
| General technical data | |
| size of contactor | S00 |
| product extension auxiliary switch | Yes |
| shock resistance at rectangular impulse | |
| <ul style="list-style-type: none"> • at AC • at DC | 6,7 g / 5 ms, 4,2 g / 10 ms 6,7 g / 5 ms, 4,2 g / 10 ms |
| shock resistance with sine pulse | |
| <ul style="list-style-type: none"> • at AC • at DC | 10,5 g / 5 ms, 6,6 g / 10 ms 10,5 g / 5 ms, 6,6 g / 10 ms |
| mechanical service life (operating cycles) | |
| <ul style="list-style-type: none"> • of contactor typical • of the contactor with added auxiliary switch block typical | 10 000 000 10 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibition (day/month/year) | 10/01/2009 |
| Net Weight | 0.493 g |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during storage | -25 ... +60 °C -55 ... +80 °C |
| Main circuit | |
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | 3 |
| number of NC contacts for main contacts | 0 |
| operating voltage | |
| <ul style="list-style-type: none"> • at AC-3 rated value maximum • at AC-3e rated value maximum | 690 V 690 V |
| operational current | |
| <ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value — at 500 V rated value — at 690 V rated value | 7 A 6 A 4.9 A |

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| <ul style="list-style-type: none"> • at AC-3e <ul style="list-style-type: none"> — at 400 V rated value — at 500 V rated value — at 690 V rated value | <p>7 A</p> <p>6 A</p> <p>4.9 A</p> |
| operating power <ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value — at 500 V rated value — at 690 V rated value • at AC-3e <ul style="list-style-type: none"> — at 400 V rated value — at 690 V rated value • at AC-4 at 400 V rated value | <p>3 kW</p> <p>3 kW</p> <p>4 kW</p> <p>3 kW</p> <p>4 kW</p> <p>3 kW</p> |
| operating frequency <ul style="list-style-type: none"> • at AC-3 maximum • at AC-3e maximum | <p>750 1/h</p> <p>750 1/h</p> |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage 1 at AC <ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value | <p>220 V</p> <p>240 V</p> |
| operating range factor control supply voltage rated value of magnet coil at AC <ul style="list-style-type: none"> • at 50 Hz • at 60 Hz | <p>0.8 ... 1.1</p> <p>0.85 ... 1.1</p> |
| apparent pick-up power of magnet coil at AC <ul style="list-style-type: none"> • at 50 Hz | 27 VA |
| inductive power factor with closing power of the coil <ul style="list-style-type: none"> • at 50 Hz | 0.8 |
| apparent holding power of magnet coil at AC <ul style="list-style-type: none"> • at 50 Hz | 4.2 VA |
| inductive power factor with the holding power of the coil <ul style="list-style-type: none"> • at 50 Hz | 0.25 |
| Auxiliary circuit | |
| contact reliability of auxiliary contacts | < 1 error per 100 million operating cycles |
| UL/CSA ratings | |
| full-load current (FLA) for 3-phase AC motor <ul style="list-style-type: none"> • at 480 V rated value • at 600 V rated value | <p>4.8 A</p> <p>6.1 A</p> |
| yielded mechanical performance [hp] for 3-phase AC motor <ul style="list-style-type: none"> • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value | <p>1.5 hp</p> <p>2 hp</p> <p>3 hp</p> <p>5 hp</p> |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| design of the fuse link <ul style="list-style-type: none"> • for short-circuit protection of the main circuit <ul style="list-style-type: none"> — with type of coordination 1 required — with type of coordination 2 required • for short-circuit protection of the auxiliary switch required | <p>gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 35 A</p> <p>gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 20 A</p> <p>fuse gG: 10 A</p> |
| 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 |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail |
| height | 68 mm |
| width | 90 mm |
| depth | 73 mm |
| required spacing | |

- with side-by-side mounting
 - forwards 6 mm
 - backwards 0 mm
 - upwards 6 mm
 - downwards 6 mm
 - at the side 6 mm
- for grounded parts
 - forwards 6 mm
 - backwards 0 mm
 - upwards 6 mm
 - at the side 6 mm
 - downwards 6 mm
- for live parts
 - forwards 6 mm
 - backwards 0 mm
 - upwards 6 mm
 - downwards 6 mm
 - at the side 6 mm

Connections/ Terminals

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|--|--|
| type of electrical connection | |
| <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil | screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals |
| type of connectable conductor cross-sections for main contacts | |
| <ul style="list-style-type: none"> • solid • solid or stranded • finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x (0.5 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14) |

Safety related data

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| product function suitable for safety function | Yes |
| Electrical Safety | |
| protection class IP on the front according to IEC 60529 | IP20 |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front |

Communication/ Protocol

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|---|-----|
| product function bus communication | Yes |
| protocol is supported AS-Interface protocol | No |
| product function control circuit interface with IO link | No |

Approvals Certificates

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|--------------------|---------------------------------|--------------------------|
| Environment | General Product Approval | Test Certificates |
|--------------------|---------------------------------|--------------------------|

[Environmental Con-
firmations](#)



[Type Test Certificate/Test Report](#)

| | |
|--------------------------|-----------------------------|
| Test Certificates | Maritime application |
|--------------------------|-----------------------------|

[Special Test Certificate](#)



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| Maritime application | other | Railway |
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Confirmation

Confirmation



Special Test Certificate

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=3RA2315-8XB30-1AP6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2315-8XB30-1AP6>

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

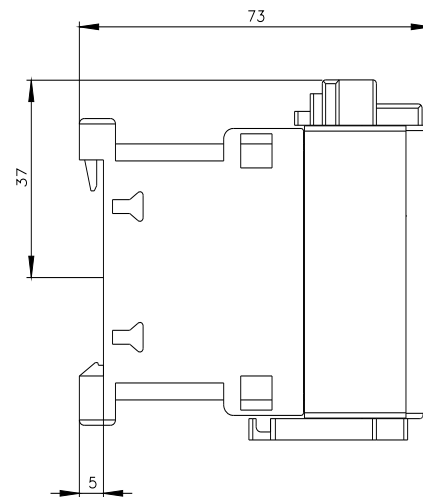
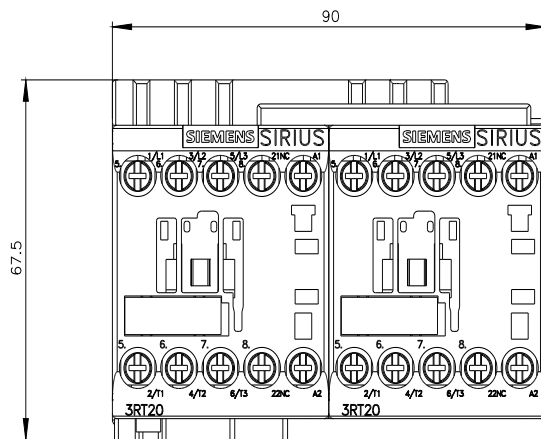
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2315-8XB30-1AP6&lang=en

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2315-8XB30-1AP6>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





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