

Contactor relay, 4 NO + 4 NC Attachable block, captive 24 V DC size S00 Screw terminal size S00 !!! Phased-out product !!! Successor is SIRIUS 3RH2 Preferred successor type is >>3RH2244-1BB40<<



Figure similar

| | |
|---|---------------------------|
| Product brand name | SIRIUS |
| Product designation | Auxiliary contactor |
| General technical data | |
| Size of contactor | S00 |
| Product extension | No |
| • Auxiliary switch | |
| Insulation voltage | 690 V |
| • with degree of pollution 3 rated value | |
| Degree of pollution | 3 |
| Surge voltage resistance rated value | 6 kV |
| Protection class IP | IP20 |
| • on the front | |
| Shock resistance | 10g / 5 ms and 5g / 10 ms |
| Mechanical service life (switching cycles) | 10 000 000 |
| • of contactor typical | |
| Reference code acc. to DIN EN 81346-2 | K |
| Reference code acc. to DIN EN 61346-2 | K |

Ambient conditions

Installation altitude at height above sea level

- maximum 2 000 m

Control circuit/ Control

Type of voltage of the control supply voltage DC

Control supply voltage at DC

- rated value 24 V

Operating range factor control supply voltage rated value of magnet coil at DC

- initial value 0.8
- Full-scale value 1.1

Closing power of magnet coil at DC 3.2 W

Holding power of magnet coil at DC 3.2 W

Auxiliary circuit

Number of NC contacts for auxiliary contacts 4

- instantaneous contact 4
- delayed switching 0
- lagging switching 0
- make-before-break switching 0

Number of NO contacts for auxiliary contacts 4

- instantaneous contact 4
- delayed switching 0
- leading contact 0
- make-before-break switching 0

Number of CO contacts

- for auxiliary contacts 0
- of auxiliary contacts instantaneous contact 0

Identification number and letter for switching elements 44 E

Operating current at AC-12 maximum 10 A

Operating current at AC-15

- at 230 V rated value 6 A
- at 400 V rated value 3 A
- at 500 V rated value 2 A
- at 690 V rated value 1 A

Operating current at 1 current path at DC-12

- at 24 V rated value 10 A
- at 110 V rated value 3 A
- at 220 V rated value 1 A

Operating current at 1 current path at DC-13

- at 24 V rated value 10 A

| | |
|--|---|
| <ul style="list-style-type: none"> • at 110 V rated value • at 220 V rated value | <p>1 A</p> <p>0.27 A</p> |
| Contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |

Short-circuit protection

| | |
|--|------------------|
| Design of the fuse link <ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required | 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 |
| Height | 57.5 mm |
| Width | 45 mm |
| Depth | 111 mm |
| Required spacing <ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — at the side | 0 mm |

Connections/Terminals

| | |
|---|---|
| Type of electrical connection <ul style="list-style-type: none"> • for auxiliary and control current circuit | screw-type terminals |
| Type of connectable conductor cross-sections <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing • at AWG conductors for auxiliary contacts | <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</p> <p>2x (20 ... 16), 2x (18 ... 14), 1x 12</p> |

Safety related data

| | |
|---|--------------------------|
| B10 value <ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 | 1 000 000; With 0.3 x Ie |
| Proportion of dangerous failures <ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 | <p>40 %</p> <p>75 %</p> |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |

Certificates/approvals

| | | |
|--------------------------|---------------------------------------|---------------------------|
| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity |
|--------------------------|---------------------------------------|---------------------------|



[Type Examination Certificate](#)



| | | |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Marine / Shipping |
|---------------------------|-------------------|-------------------|

[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



| | | |
|-------------------|-------|---------|
| Marine / Shipping | other | Railway |
|-------------------|-------|---------|



[Confirmation](#)

[Special Test Certificate](#)

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=3RH1244-1BB40>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1244-1BB40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1244-1BB40>

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

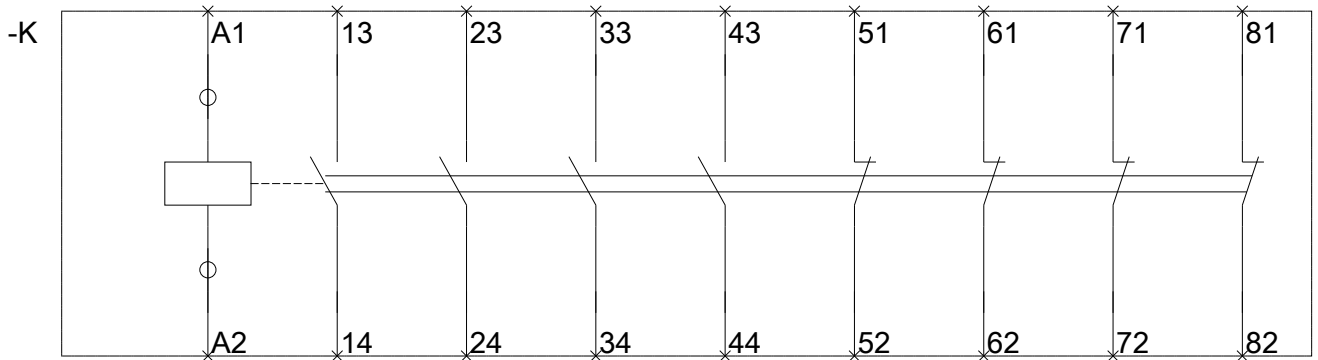
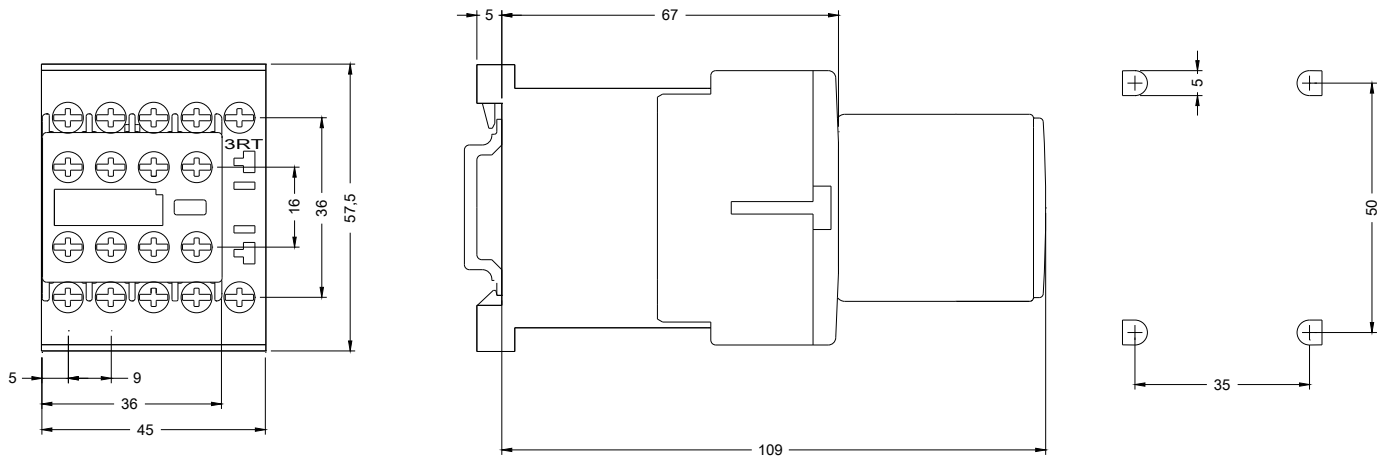
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1244-1BB40&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1244-1BB40/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH1244-1BB40&objecttype=14&gridview=view1>



last modified:

05/07/2019