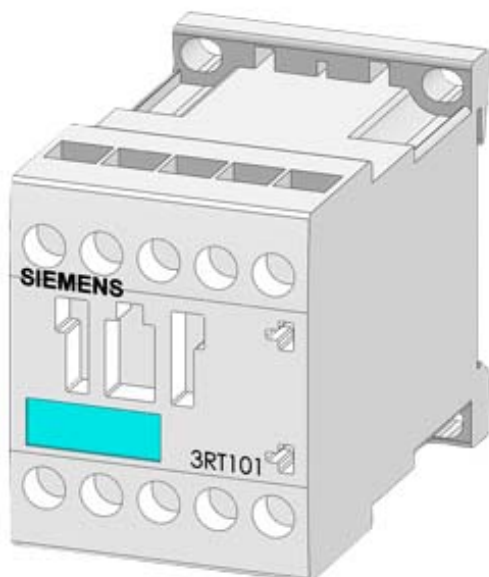


CONTACTOR RELAY, 4NO, DC 24 V, SCREW CONNECTION,  
SIZE S00 MULTIUNIT PACKING PACKING = 144 ITEMS



|                                                                                     |                           |
|-------------------------------------------------------------------------------------|---------------------------|
| product brand name                                                                  | SIRIUS                    |
| Product designation                                                                 | contactor relay           |
| General technical data                                                              |                           |
| Size of contactor                                                                   | S00                       |
| Product extension                                                                   |                           |
| • Auxiliary switch                                                                  | Yes                       |
| Insulation voltage                                                                  |                           |
| • with degree of pollution 3 rated value                                            | 690 V                     |
| Degree of pollution                                                                 | 3                         |
| Surge voltage resistance rated value                                                | 6 kV                      |
| Protection class IP                                                                 |                           |
| • on the front                                                                      | IP20                      |
| Shock resistance                                                                    | 10g / 5 ms and 5g / 10 ms |
| Mechanical service life (switching cycles)                                          |                           |
| • of contactor typical                                                              | 30 000 000                |
| • of the contactor with added electronics-compatible auxiliary switch block typical | 5 000 000                 |
| • of the contactor with added auxiliary switch block typical                        | 10 000 000                |

|                                                                                       |                |
|---------------------------------------------------------------------------------------|----------------|
| <b>Equipment marking</b>                                                              |                |
| • acc. to DIN EN 61346-2                                                              | K              |
| • acc. to DIN EN 81346-2                                                              | K              |
| <b>Ambient conditions</b>                                                             |                |
| <b>Installation altitude at height above sea level maximum</b>                        | 2 000 m        |
| <b>Ambient temperature</b>                                                            |                |
| • during operation                                                                    | -25 ... +60 °C |
| • during storage                                                                      | -55 ... +80 °C |
| • during transport                                                                    | -55 ... +80 °C |
| <b>Control circuit/ Control</b>                                                       |                |
| <b>Type of voltage of the control supply voltage</b>                                  | DC             |
| <b>Control supply voltage at DC</b>                                                   |                |
| • rated value                                                                         | 24 V           |
| <b>Operating range factor control supply voltage rated value of magnet coil at DC</b> | 0.8 ... 1.1    |
| <b>Closing power of magnet coil at DC</b>                                             | 3.2 W          |
| <b>Holding power of magnet coil at DC</b>                                             | 3.2 W          |
| <b>Auxiliary circuit</b>                                                              |                |
| <b>Number of NC contacts</b>                                                          |                |
| • for auxiliary contacts                                                              | 0              |
| — instantaneous contact                                                               | 0              |
| — delayed switching                                                                   | 0              |
| — lagging switching                                                                   | 0              |
| — make-before-break switching                                                         | 0              |
| <b>Number of NO contacts</b>                                                          |                |
| • for auxiliary contacts                                                              | 4              |
| — instantaneous contact                                                               | 4              |
| — delayed switching                                                                   | 0              |
| — leading contact                                                                     | 0              |
| — make-before-break switching                                                         | 0              |
| <b>Number of CO contacts</b>                                                          |                |
| • for auxiliary contacts                                                              | 0              |
| • of auxiliary contacts instantaneous contact                                         | 0              |
| <b>Identification number and letter for switching elements</b>                        | 40 E           |
| <b>Operating current at AC-12 maximum</b>                                             | 10 A           |
| <b>Operating current at AC-15</b>                                                     |                |
| • 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                                             |
| <b>Operating current at 1 current path at DC-12</b> |                                                 |
| • at 24 V rated value                               | 10 A                                            |
| • at 110 V rated value                              | 3 A                                             |
| • at 220 V rated value                              | 1 A                                             |
| <b>Operating current at 1 current path at DC-13</b> |                                                 |
| • at 24 V rated value                               | 10 A                                            |
| • at 110 V rated value                              | 1 A                                             |
| • at 220 V rated value                              | 0.27 A                                          |
| <b>Contact reliability of auxiliary contacts</b>    | 1 faulty switching per 100 million (17 V, 1 mA) |

#### Short-circuit protection

|                                                                 |                  |
|-----------------------------------------------------------------|------------------|
| <b>Design of the fuse link</b>                                  |                  |
| • for short-circuit protection of the auxiliary switch required | fuse gL/gG: 10 A |

#### Installation/ mounting/ dimensions

|                                               |                                                                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mounting position</b>                      | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| <b>Mounting type</b>                          | screw and snap-on mounting                                                                                                           |
| <b>Height</b>                                 | 57.5 mm                                                                                                                              |
| <b>Width</b>                                  | 45 mm                                                                                                                                |
| <b>Depth</b>                                  | 72 mm                                                                                                                                |
| <b>Required spacing</b>                       |                                                                                                                                      |
| • with side-by-side mounting<br>— at the side | 0 mm                                                                                                                                 |

#### Connections/Terminals

|                                                     |                                                       |
|-----------------------------------------------------|-------------------------------------------------------|
| <b>Type of electrical connection</b>                |                                                       |
| • for auxiliary and control current circuit         | screw-type terminals                                  |
| <b>Type of connectable conductor cross-sections</b> |                                                       |
| • for auxiliary contacts<br>— solid                 | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm² |
| — finely stranded with core end processing          | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)           |
| • at AWG conductors for auxiliary contacts          | 2x (20 ... 16), 2x (18 ... 14), 1x 12                 |

#### Safety related data

|                                                                           |                                      |
|---------------------------------------------------------------------------|--------------------------------------|
| <b>B10 value</b>                                                          |                                      |
| • with high demand rate acc. to SN 31920                                  | 1 000 000; With 0.3 x I <sub>e</sub> |
| <b>Proportion of dangerous failures</b>                                   |                                      |
| • with low demand rate acc. to SN 31920                                   | 40 %                                 |
| • with high demand rate acc. to SN 31920                                  | 75 %                                 |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b> | 20 y                                 |

## Certificates/approvals

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



[Baumusterbescheinigung](#)



| Test Certificates | Shipping Approval |
|-------------------|-------------------|
|-------------------|-------------------|

[Typprüfbescheinigung/Werkszeugnis](#)

[spezielle Prüfbescheinigungen](#)



| Shipping Approval | other |
|-------------------|-------|
|-------------------|-------|



[Umweltbestätigung](#)

[sonstig](#)

| other |
|-------|
|-------|

[Bestätigungen](#)

## 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=3RH1140-1BB40-Z W95>

**Cax online generator**

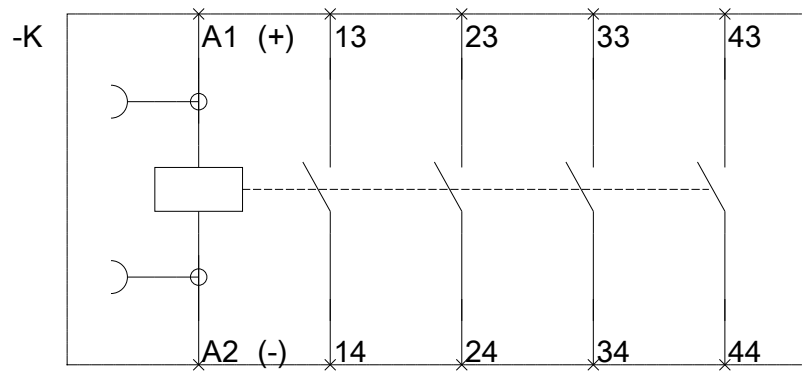
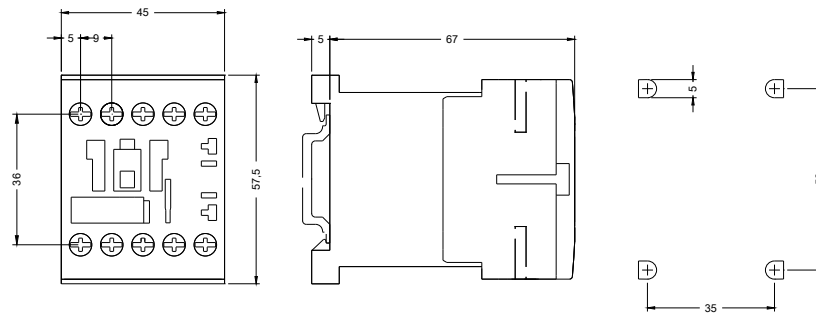
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1140-1BB40-Z W95>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1140-1BB40-Z W95>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1140-1BB40-Z W95&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1140-1BB40-Z W95&lang=en)



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