

Contactor relay 2NO2NC AC 110V 50/60Hz size S00, screw terminal

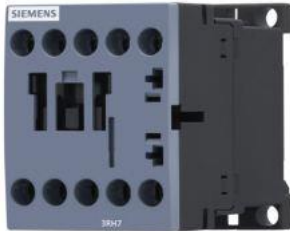


Figure similar

| | |
|---|--------------------------|
| product brand name | SIRIUS |
| product designation | Contactor relay |
| product type designation | 3RH7 |
| General technical data | |
| size of contactor | S00 |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V |
| surge voltage resistance rated value | 25 kV |
| protection class IP on the front | IP20 |
| shock resistance at rectangular impulse at AC | 10 g / 5 ms, 5 g / 10 ms |
| shock resistance with sine pulse at AC | 15 g / 5 ms, 8 g / 10 ms |
| Net Weight | 0.199 kg |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| • during operation | -10 ... +55 °C |
| • during storage | -25 ... +70 °C |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC | |
| • at 50 Hz rated value | 110 V |
| • at 60 Hz rated value | 110 V |
| operating range factor control supply voltage rated value of magnet coil at AC | |
| • at 50 Hz | 0.8 ... 1.1 |
| • at 60 Hz | 0.85 ... 1.1 |
| apparent pick-up power of magnet coil at AC | 27 VA |
| inductive power factor with closing power of the coil | 0.8 |
| apparent holding power of magnet coil at AC | 5.4 VA |
| inductive power factor with the holding power of the coil | 0.27 |
| Auxiliary circuit | |
| product extension auxiliary switch | Yes |
| number of NC contacts for auxiliary contacts | 2 |
| number of NO contacts for auxiliary contacts | 2 |
| identification number and letter for switching elements | 22 E |
| operational current at AC-15 | |
| • at 230 V rated value | 6 A |
| • at 400 V rated value | 6 A |
| • at 690 V rated value | 1 A |

| | |
|---|------------------------------------|
| operational current at 1 current path at DC-13 | |
| <ul style="list-style-type: none"> • at 24 V rated value • at 110 V rated value • at 220 V rated value | <p>6 A</p> <p>1 A</p> <p>0.3 A</p> |

| | |
|---|-----------|
| operating frequency at DC-13 maximum | 1 000 1/h |
|---|-----------|

Short-circuit protection

| | |
|---|------------------|
| design of the fuse link 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 |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail |
| height | 57.5 mm |
| width | 45 mm |
| depth | 72 mm |

Connections/ Terminals

| | |
|---|---|
| type of electrical connection for auxiliary and control circuit | screw-type terminals |
| connectable conductor cross-section for auxiliary contacts | |
| <ul style="list-style-type: none"> • solid or stranded • finely stranded with core end processing | <p>0.5 ... 2.5 mm²</p> <p>0.5 ... 2.5 mm²</p> |
| type of connectable conductor cross-sections for auxiliary contacts | |
| <ul style="list-style-type: none"> • solid or stranded • finely stranded with core end processing | <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> |

Safety related data

| | |
|---|-----|
| product function positively driven operation according to IEC 60947-5-1 | 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 |

Approvals Certificates

| | | |
|--------------------|---------------------------------|--------------|
| Environment | General Product Approval | other |
|--------------------|---------------------------------|--------------|

[Environmental Confirmations](#)



[Confirmation](#)

other



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=3RH7122-1AF00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH7122-1AF00>

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

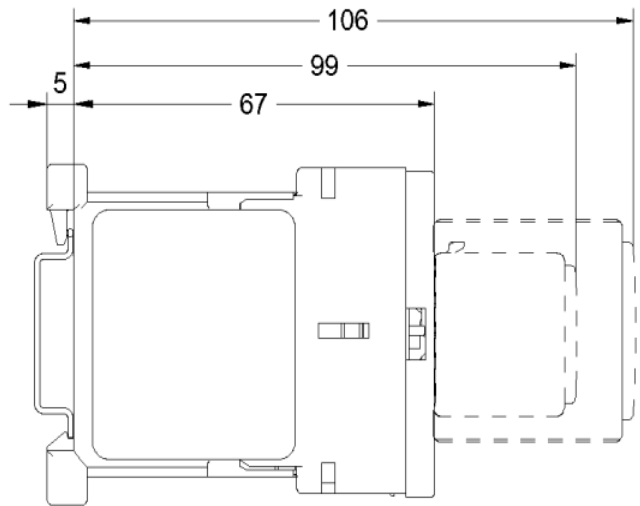
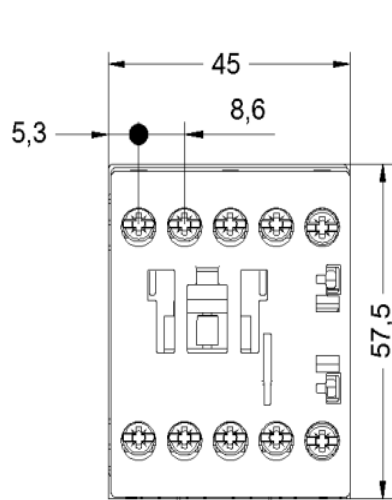
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH7122-1AF00&lang=en

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH7122-1AF00>

Characteristic curves

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



last modified:

4/4/2026 