

CONTACTOR RELAY, LATCHED, 4-POLE, 4 NO,
SIZE S00, AC 230 V, 50/60 HZ



Figure similar

| | | |
|---------------------|--|-----------------|
| product brand name | | SIRIUS |
| Product designation | | contactor relay |

General technical data:

| | | |
|---|----|---------------------------|
| Insulation voltage | | |
| • with degree of pollution 3 Rated value | V | 690 |
| Degree of pollution | | 3 |
| Shock resistance | | 10g / 5 ms and 5g / 10 ms |
| Surge voltage resistance Rated value | kV | 6 |
| Mechanical service life (switching cycles) | | |
| • of the contactor typical | | 5 000 000 |
| • of the contactor with added electronics-compatible auxiliary switch block typical | | 5 000 000 |
| • of the contactor with added auxiliary switch block typical | | 5 000 000 |
| Protection class IP | | |
| • on the front | | IP20 |
| Equipment marking | | |
| • acc. to DIN EN 61346-2 | | K |
| • acc. to DIN EN 81346-2 | | K |

Control circuit/ Control:

| | | |
|---|----|-----|
| Type of voltage of the control supply voltage | | AC |
| Control supply voltage with AC | | |
| • at 50 Hz Rated value | V | 230 |
| • at 60 Hz Rated value | V | 230 |
| • Rated value | Hz | 50 |

| | | |
|---|-----|--------------|
| Control supply voltage frequency 2 Rated value | Hz | 60 |
| Operating range factor control supply voltage rated value of the magnet coil with AC | | |
| • at 50 Hz | | 0.8 ... 1.1 |
| • at 60 Hz | | 0.85 ... 1.1 |
| Apparent pick-up power of the magnet coil with AC | V·A | 27 |
| Apparent holding power of the magnet coil with AC | V·A | 4.6 |
| Inductive power factor | | |
| • with closing power of the coil | | 0.8 |
| • with the holding power of the coil | | 0.27 |

Auxiliary circuit:

| | | |
|--|---|---|
| Number of NC contacts | | |
| • for auxiliary contacts | | 0 |
| — instantaneous contact | | 0 |
| — 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 the auxiliary contacts instantaneous contact | | 0 |
| Product expansion Auxiliary switch | | Yes |
| Identification number and letter for switching elements | | 40 E |
| Operating current at AC-15 | | |
| • at 230 V Rated value | A | 6 |
| • at 400 V Rated value | A | 3 |
| • at 690 V Rated value | A | 1 |
| Contact reliability of the auxiliary contacts | | 1 faulty switching per 100 million (17 V, 1 mA) |

Short-circuit:

| | | |
|---|--|------------------|
| 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 |
|--------------------------|--|--|

| | | |
|---|----|----------------------------|
| Mounting type | | screw and snap-on mounting |
| Height | mm | 57.5 |
| Width | mm | 90 |
| Depth | mm | 72 |
| Required spacing | | |
| <ul style="list-style-type: none"> • with side-by-side mounting — at the side | mm | 0 |

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-section | | |
| <ul style="list-style-type: none"> • for auxiliary contacts — solid — finely stranded with core end processing • for AWG conductors for auxiliary contacts | | 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 (20 ... 16), 2x (18 ... 14), 1x 12 |

Safety related data:

| | | |
|--|---|---------------------------|
| B10 value with high demand rate acc. to SN 31920 | | 1 000 000 |
| <ul style="list-style-type: none"> • Note | | With 0.3 x I _e |
| Proportion of dangerous failures | | |
| <ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 | % | 40 |
| <ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 | % | 75 |
| 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 | | S00 |
|--------------------------|--|-----|

Ambient conditions:

| | | |
|--|----|-------------|
| Installation altitude at height above sea level maximum | m | 2 000 |
| Ambient temperature | | |
| <ul style="list-style-type: none"> • during operation | °C | -25 ... +60 |
| <ul style="list-style-type: none"> • during storage | °C | -55 ... +80 |
| <ul style="list-style-type: none"> • during transport | °C | -55 ... +80 |

Certificates/ approvals:

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



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| other |
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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

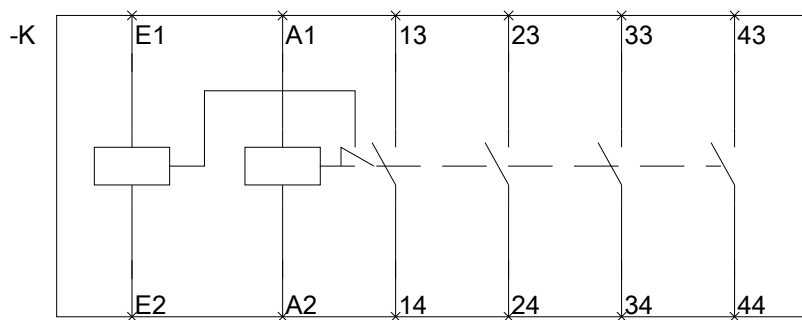
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH14401AP00>

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

<http://support.automation.siemens.com/WW/view/en/3RH14401AP00/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=3RH14401AP00&lang=en



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