

CONTACTOR RELAY, 2NO+2NC, 230V AC, 50/60HZ, SCREW
 TERMINAL, SIZE S00 MULTI-UNIT PACKAGING, 1 PACK = 144
 UNITS



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

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| Equipment marking | |
| • acc. to DIN EN 61346-2 | K |
| • acc. to DIN EN 81346-2 | K |

Ambient conditions

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| Installation altitude at height above sea level maximum | 2 000 m |
| Ambient temperature | |
| • during operation | -25 ... +60 °C |
| • during storage | -55 ... +80 °C |
| • during transport | -55 ... +80 °C |

Control circuit/ Control

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|---|--------------|
| Type of voltage of the control supply voltage | AC |
| Control supply voltage at AC | |
| • at 50 Hz rated value | 230 V |
| • at 60 Hz rated value | 230 V |
| Control supply voltage frequency 1 rated value | 50 Hz |
| Control supply voltage frequency 2 rated value | 60 Hz |
| 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 V·A |
| Inductive power factor with closing power of the coil | 0.8 |
| Apparent holding power of magnet coil at AC | 4.6 V·A |
| Inductive power factor with the holding power of the coil | 0.27 |

Auxiliary circuit

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| Number of NC contacts | |
| • for auxiliary contacts | 2 |
| — instantaneous contact | 2 |
| — delayed switching | 0 |
| — lagging switching | 0 |
| — make-before-break switching | 0 |
| Number of NO contacts | |
| • for auxiliary contacts | 2 |
| — instantaneous contact | 2 |
| — delayed switching | 0 |
| — leading contact | 0 |
| — make-before-break switching | 0 |
| Number of CO contacts | |
| • for auxiliary contacts | 0 |

| | |
|---|---|
| <ul style="list-style-type: none"> • of auxiliary contacts instantaneous contact | 0 |
| Identification number and letter for switching elements | 22 E |
| Operating current at AC-12 maximum | 10 A |
| Operating current at AC-15 | |
| <ul style="list-style-type: none"> • at 230 V rated value | 6 A |
| <ul style="list-style-type: none"> • at 400 V rated value | 3 A |
| <ul style="list-style-type: none"> • at 500 V rated value | 2 A |
| <ul style="list-style-type: none"> • at 690 V rated value | 1 A |
| Operating current at 1 current path at DC-12 | |
| <ul style="list-style-type: none"> • at 24 V rated value | 10 A |
| <ul style="list-style-type: none"> • at 110 V rated value | 3 A |
| <ul style="list-style-type: none"> • at 220 V rated value | 1 A |
| Operating current at 1 current path at DC-13 | |
| <ul style="list-style-type: none"> • at 24 V rated value | 10 A |
| <ul style="list-style-type: none"> • at 110 V rated value | 1 A |
| <ul style="list-style-type: none"> • at 220 V rated value | 0.27 A |
| Contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |

Short-circuit protection

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| 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

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|---|--|
| 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 | 72 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





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|---|---|
| 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 | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² |
| <ul style="list-style-type: none"> — finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| <ul style="list-style-type: none"> • at AWG conductors for auxiliary contacts | 2x (20 ... 16), 2x (18 ... 14), 1x 12 |





Safety related data

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|---|--------------------------|
| 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 | 40 % 75 % |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |

Certificates/approvals

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| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity |
|  CCC  CSA  UL  EAC | Baumusterbescheinigung  |  EG-Konf. |

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|--|---|
| Test Certificates | Shipping Approval |
| spezielle Prüfbescheinigungen n Typrüfbescheinigung/Werkszeugnis |  ABS  BUREAU VERITAS  DNV  GL |

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|--|--|
| Shipping Approval | other |
|  LRS  PRS  RINA  RMRS | sonstig Umweltbestätigung |

| |
|-------------------------------|
| other |
| Bestätigungen |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

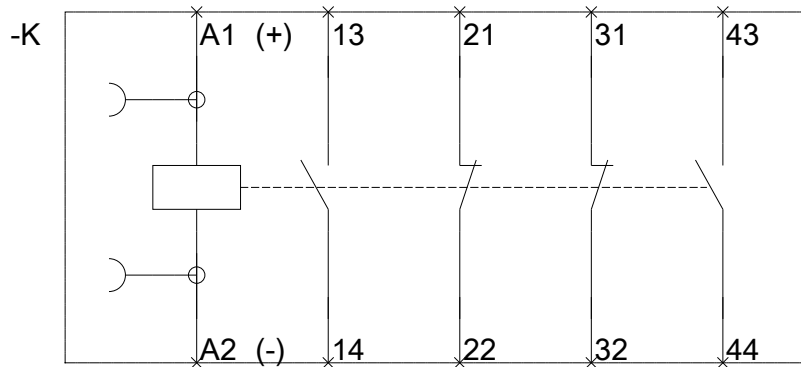
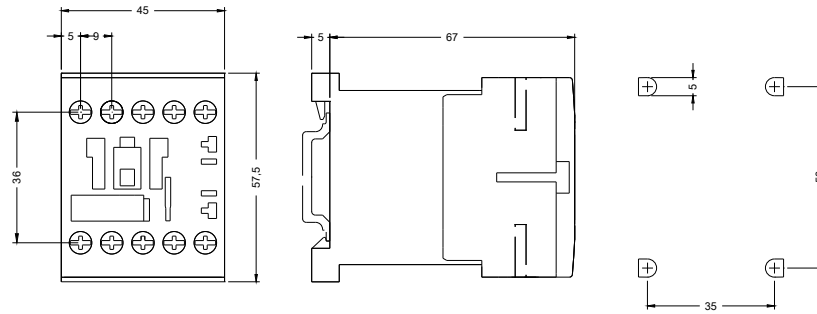
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1122-1AP00-Z W95>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1122-1AP00-Z W95>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1122-1AP00-Z W95>



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