



CONTACTOR RELAY, 2NO+2NC, DC 24V, SIZE S00, SCREW TERMINAL

|   |                 |
|---|-----------------|
| <b>product brand name</b>   | SIRIUS          |
| <b>Product designation</b>  | contactor relay |
| <b>General technical data:</b>  |                 |
| <b>Insulation voltage</b>   |                 |
| <ul style="list-style-type: none"> <li>with degree of pollution 3 Rated value</li> </ul>  | 690 V           |
| <b>Degree of pollution</b>  | 3               |
| <b>Surge voltage resistance Rated value</b>   | 6 kV            |
| <b>Mechanical service life (switching cycles)</b>   |                 |
| <ul style="list-style-type: none"> <li>of the contactor typical</li> </ul>  | 30 000 000      |
| <ul style="list-style-type: none"> <li>of the contactor with added electronics-compatible auxiliary switch block typical</li> </ul> | 5 000 000       |
| <ul style="list-style-type: none"> <li>of the contactor with added auxiliary switch block typical</li> </ul>                        | 10 000 000      |
| <b>Protection class IP</b>  |                 |
| <ul style="list-style-type: none"> <li>on the front</li> </ul>  | IP20            |
| <b>Equipment marking</b>  |                 |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> </ul>  | K               |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 81346-2</li> </ul>  | K               |
| <b>Main circuit:</b>  |                 |
| <b>No-load switching frequency</b>  |                 |
| <ul style="list-style-type: none"> <li>with AC</li> </ul>   | 10 000 1/h      |
| <ul style="list-style-type: none"> <li>for DC</li> </ul>  | 10 000 1/h      |
| <b>Control circuit/ Control:</b>  |                 |
| <b>Type of voltage of the control supply voltage</b>  | DC              |

|  |             |
|--|-------------|
| <b>Control supply voltage for DC</b>   |             |
| • Rated value  | 24 V        |
| <b>Operating range factor control supply voltage rated value of the magnet coil for DC</b> | 0.8 ... 1.1 |
| <b>Closing power of the magnet coil for DC</b>   | 4 W         |
| <b>Holding power of the magnet coil for DC</b>   | 4 W         |

#### Auxiliary circuit:

|   |   |
|---|---|
| <b>Number of NC contacts</b>  |   |
| • for auxiliary contacts  | 2   |
| — instantaneous contact   | 2   |
| <b>Number of NO contacts</b>  |   |
| • for auxiliary contacts  | 2   |
| — instantaneous contact   | 2   |
| <b>Product expansion Auxiliary switch</b>                           | Yes   |
| <b>Identification number and letter for switching elements</b>      | 22 E  |
| <b>Operating current at AC-15</b>                                   |   |
| • at 230 V Rated value  | 10 A  |
| • at 400 V Rated value  | 3 A   |
| • at 690 V Rated value  | 1 A   |
| <b>Design of the miniature circuit breaker</b>                      |   |
| • for short-circuit protection of the auxiliary circuit up to 230 V | C characteristic: 6 A; 0.4 kA                   |
| <b>Contact reliability of the auxiliary contacts</b>                | 1 faulty switching per 100 million (17 V, 1 mA) |

#### UL/CSA ratings:

|  |             |
|--|-------------|
| <b>Contact rating of the auxiliary contacts acc. to UL</b> | A600 / Q600 |
|--|-------------|

#### Short-circuit:

|   |                  |
|---|------------------|
| <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 onto 35 mm standard mounting rail   |
| <b>Height</b>            | 57.5 mm  |
| <b>Width</b>             | 45 mm  |
| <b>Depth</b>             | 73 mm  |
| <b>Required spacing</b>  |  |
| • for grounded parts     |  |
| — at the side            | 6 mm   |
| • for live parts         |  |

— at the side

6 mm

#### Connections/ Terminals:

|  |   |
|--|---|
| <b>Type of electrical connection</b> <ul style="list-style-type: none"><li>• for auxiliary and control current circuit</li></ul>   | screw-type terminals  |
| <b>Type of connectable conductor cross-section</b> <ul style="list-style-type: none"><li>• for auxiliary contacts<ul style="list-style-type: none"><li>— single or multi-stranded</li><li>— finely stranded with core end processing</li></ul></li><li>• for AWG conductors for auxiliary contacts</li></ul> | 2x (0,5 ... 1,5 mm <sup>2</sup> ), 2x (0,75 ... 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup><br>2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 16), 2x (18 ... 14), 2x 12 |

#### Safety related data:

|  |                                      |
|--|--------------------------------------|
| <b>B10 value with high demand rate acc. to SN 31920</b>  | 1 000 000; With 0.3 x I <sub>e</sub> |
| <b>Proportion of dangerous failures</b> <ul style="list-style-type: none"><li>• with low demand rate acc. to SN 31920</li><li>• with high demand rate acc. to SN 31920</li></ul> | 40 %<br>73 %                         |
| <b>Product function</b> <ul style="list-style-type: none"><li>• positively driven operation acc. to IEC 60947-5-1</li></ul>  | Yes                                  |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b>  | 20 y                                 |
| <b>Protection against electrical shock</b>   | finger-safe                          |

#### Mechanical data:

|                          |     |
|--------------------------|-----|
| <b>Size of contactor</b> | S00 |
|--------------------------|-----|

#### Ambient conditions:

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

#### Certificates/ approvals:

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



[Type Examination](#)



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

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[other](#)



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



[Environmental Confirmations](#)

|       |
|-------|
| other |
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### Further information

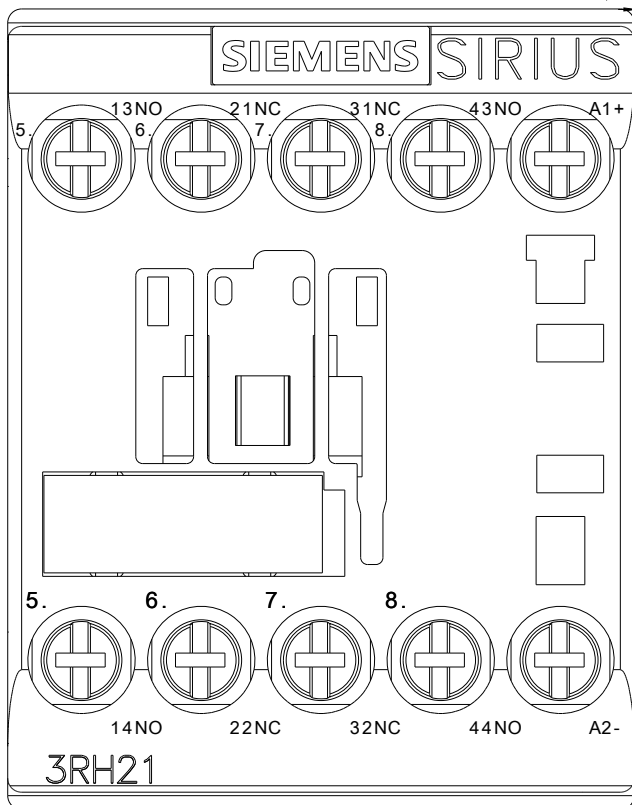
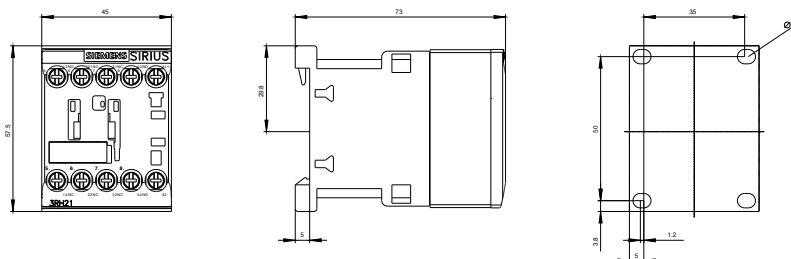
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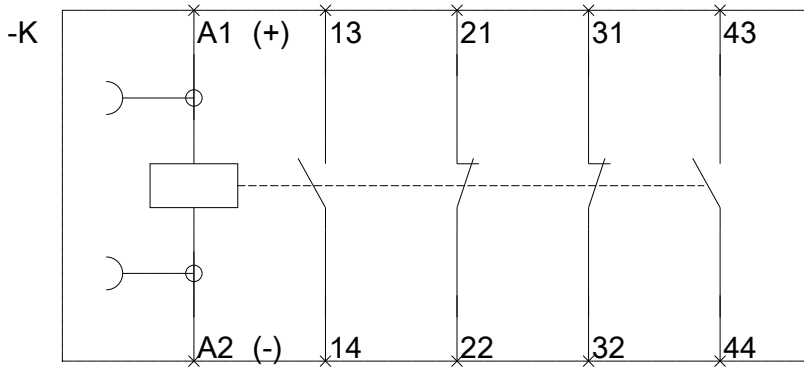
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