



front-side auxiliary switch, 1 NO contact, screw terminal, for contactors 3RT1

| General technical data | |
|---|---|
| product brand name | SIRIUS |
| suitability for use | Contactor relay and power contactor |
| protection class IP on the front | IP20 |
| ambient temperature | |
| • during storage | -55 ... +80 °C |
| • during operation | -25 ... +60 °C |
| mechanical service life (switching cycles) typical | 10 000 000 |
| electrical endurance (switching cycles) at AC-15 at 230 V typical | 200 000 |
| contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V |
| surge voltage resistance rated value | 6 kV |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | |
| • instantaneous contact | 0 |
| number of NO contacts for auxiliary contacts | |
| • instantaneous contact | 1 |
| operational current of auxiliary contacts at AC-12 | |
| • at 24 V | 10 A |
| • at 230 V | 10 A |
| • maximum | 10 A |
| operational current | |
| • of auxiliary contacts | |
| — at AC-14 | |
| — at 125 V | 6 A |
| — at 250 V | 6 A |
| — at AC-15 | |
| — at 24 V | 6 A |
| — at 230 V | 6 A |
| — at 400 V | 3 A |
| • at AC-15 at 690 V rated value | 1 A |
| operational current | |
| • of auxiliary contacts at DC-12 | |
| — at 24 V | 10 A |
| — at 110 V | 3 A |
| — at 220 V | 1 A |
| • with 2 current paths in series at DC-12 | |
| — at 24 V rated value | 10 A |

| | |
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| — at 60 V rated value | 10 A |
| — at 110 V rated value | 4 A |
| — at 220 V rated value | 2 A |
| — at 440 V rated value | 1.3 A |
| — at 600 V rated value | 0.65 A |
| • with 3 current paths in series at DC-12 | |
| — at 24 V rated value | 10 A |
| — at 60 V rated value | 10 A |
| — at 110 V rated value | 10 A |
| — at 220 V rated value | 3.6 A |
| — at 440 V rated value | 2.5 A |
| — at 600 V rated value | 1.8 A |
| operational current | |
| • of auxiliary contacts at DC-13 | |
| — at 24 V | 6 A |
| — at 60 V | 2 A |
| — at 110 V | 1 A |
| — at 220 V | 0.3 A |
| • with 2 current paths in series at DC-13 | |
| — at 24 V rated value | 10 A |
| — at 60 V rated value | 3.5 A |
| — at 110 V rated value | 1.3 A |
| — at 220 V rated value | 0.9 A |
| — at 440 V rated value | 0.2 A |
| — at 600 V rated value | 0.1 A |
| • with 3 current paths in series at DC-13 | |
| — at 24 V rated value | 10 A |
| — at 60 V rated value | 4.7 A |
| — at 110 V rated value | 3 A |
| — at 220 V rated value | 1.2 A |
| — at 440 V rated value | 0.5 A |
| — at 600 V rated value | 0.26 A |
| Installation/ mounting/ dimensions | |
| fastening method | snap-on mounting |
| width | 10 mm |
| height | 38 mm |
| depth | 51 mm |
| Connections/ Terminals | |
| type of electrical connection for auxiliary and control circuit | screw-type terminals |
| type of connectable conductor cross-sections | |
| • for auxiliary contacts | |
| — finely stranded | |
| — with core end processing | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| • at AWG cables for auxiliary contacts | 2x (20 ... 16), 2x (18 ... 14) |
| Safety related data | |
| product function mirror contact according to IEC 60947-4-1 | Yes |
| • note | with 3RT1 |
| product function positively driven operation according to IEC 60947-5-1 | No |
| Certificates/ approvals | |
| General Product Approval | |



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Further information

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=3RH1921-1CA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1CA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1CA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1CA10&lang=en

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