



AUX.SWITCH BLOCK,FRONT,3NO+1NC,
CURR.PATH: 1NO, 1NC, 1NO, 1NO, FOR
CONTACTOR RELAYS, SZ S00, SPRING-LOADED
TERMINAL 53 / 54,61 / 62,73 / 74,83 / 84

General technical data:

| | | |
|---|----|--|
| product brand name | | SIRIUS |
| Suitability for use | | Contactor relay |
| Protection class IP on the front | | IP20 |
| Ambient temperature | | |
| • during storage | °C | -55 ... +80 |
| • during operation | °C | -25 ... +60 |
| Mechanical service life (switching cycles) typical | | 10 000 000 |
| Electrical endurance (switching cycles) at AC-15 at 230 V typical | | 200 000 |
| Contact reliability | | one incorrect switching operation of 100 million switching operations (17 V, 1 mA) |
| Contact reliability of the auxiliary contacts | | 1 faulty switching per 100 million (17 V, 1 mA) |
| Insulation voltage with degree of pollution 3 Rated value | V | 690 |
| Surge voltage resistance Rated value | kV | 6 |

Auxiliary circuit:

| | | |
|---|---|----|
| Number of NC contacts for auxiliary contacts | | |
| • instantaneous contact | | 1 |
| • lagging switching | | 0 |
| Number of NO contacts for auxiliary contacts | | |
| • instantaneous contact | | 3 |
| • leading contact | | 0 |
| Operating current of the auxiliary contacts at AC-12 | | |
| • at 24 V | A | 10 |

| | | |
|---|---|------|
| • at 230 V | A | 10 |
| • maximum | A | 10 |
| Operating current | | |
| • of the auxiliary contacts | | |
| — at AC-14 | | |
| — at 125 V | A | 6 |
| — at 250 V | A | 6 |
| — at AC-15 | | |
| — at 24 V | A | 6 |
| — at 230 V | A | 6 |
| — at 400 V | A | 3 |
| • at AC-15 at 690 V Rated value | A | 1 |
| Operating current | | |
| • with 2 current paths in series at DC-12 | | |
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 10 |
| — at 110 V Rated value | A | 4 |
| — at 220 V Rated value | A | 2 |
| — at 440 V Rated value | A | 1.3 |
| — at 600 V Rated value | A | 0.65 |
| • with 3 current paths in series at DC-12 | | |
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 10 |
| — at 110 V Rated value | A | 10 |
| — at 220 V Rated value | A | 3.6 |
| — at 440 V Rated value | A | 2.5 |
| — at 600 V Rated value | A | 1.8 |
| Operating current | | |
| • of the auxiliary contacts at DC-13 | | |
| — at 24 V | A | 6 |
| — at 60 V | A | 2 |
| — at 110 V | A | 1 |
| — at 220 V | A | 0.3 |
| • with 2 current paths in series at DC-13 | | |
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 3.5 |
| — at 110 V Rated value | A | 1.3 |
| — at 220 V Rated value | A | 0.9 |
| — at 440 V Rated value | A | 0.2 |
| — at 600 V Rated value | A | 0.1 |
| • with 3 current paths in series at DC-13 | | |

| | | |
|------------------------|---|------|
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 4.7 |
| — at 110 V Rated value | A | 3 |
| — at 220 V Rated value | A | 1.2 |
| — at 440 V Rated value | A | 0.5 |
| — at 600 V Rated value | A | 0.26 |

Installation/ mounting/ dimensions:

| | | |
|----------------------|----|------------------|
| Mounting type | | snap-on mounting |
| Width | mm | 36 |
| Height | mm | 41.5 |
| Depth | mm | 47.7 |

Connections/ Terminals:

| | | |
|---|--|--|
| Type of electrical connection for auxiliary and control current circuit | | spring-loaded terminals |
| Type of connectable conductor cross-section | | |
| <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — finely stranded <ul style="list-style-type: none"> — with core end processing — without core end processing • for AWG conductors for auxiliary contacts | | <ul style="list-style-type: none"> 2x (0.5 ... 1.5 mm²) 2x (0.5 ... 2.5 mm²) 2x (20 ... 14) |

Safety related data:

| | | |
|---|--|-----------|
| Product function Mirror contact acc. to IEC 60947-4-1 | | No |
| Product function positively driven operation acc. to IEC 60947-5-1 | | Yes |
| <ul style="list-style-type: none"> • Note | | with 3RH2 |

Certificates/ approvals:

| | | | | | |
|--|--|---|---|---|--|
| General Product Approval | | | | Declaration of Conformity | Test Certificates |
|  CCC |  CSA |  |  UL |  EG-Konf. | Type Test Certificates/Test Report |

| | | | | | |
|--|--|---|--|---|--|
| Test Certificates | Shipping Approval | | | | |
| Special Test Certificate |  ABS |  BUREAU VERITAS |  DNV |  GL |  LRS |

| | | | | | |
|--|---|---|---|--|--|
| Shipping Approval | other | | | | |
|  PRS |  RINA |  RMRS | Environmental Confirmations |  VDE | |

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=3RH29112GA31>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH29112GA31>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH29112GA31&lang=en

