

AUXILIARY SWITCH BLOCK, 80E, 4NO, DIN EN50011, SCREW CONNECTION, FOR CONTACTOR RELAYS, 4-POLE



Figure similar

General technical data:

| | | |
|---|----|--|
| product brand name | | SIRIUS |
| Suitability for use | | Contact relay and power contactor |
| 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, 5 mA) |
| Contact reliability of 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 | | 0 |

| | | |
|---|---|------|
| Number of NO contacts for auxiliary contacts | | |
| • instantaneous contact | | 4 |
| Operating current of auxiliary contacts at AC-12 | | |
| • at 24 V | A | 10 |
| • at 230 V | A | 10 |
| • maximum | A | 10 |
| Operating current | | |
| • of 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 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 | 36.5 |
| Height | mm | 37.5 |
| Depth | mm | 41.5 |

Connections/ Terminals:

| | | |
|---|--|---|
| Type of electrical connection for auxiliary and control current 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 conductors for auxiliary contacts | | 2x (20 ... 16), 2x (18 ... 14) |

Safety related data:

| | | |
|---|--|-----------|
| Product function Mirror contact acc. to IEC 60947-4-1 | | Yes |
| • Note | | with 3RT1 |
| Product function positively driven operation acc. to IEC 60947-5-1 | | Yes |
| • Note | | with 3RH1 |

Certificates/ approvals:

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



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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&mfb=3RH19111GA40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH19111GA40>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RH19111GA40&lang=en

