



CONTACTOR RELAY, 7NO+1NC,
TOP UNIT BLOCK NOT DETACHABLE, 24 V DC,
SIZE S00, SCREW CONNECTION, SIZE S00

| General details: | | |
|--|----|--|
| product brand name | | SIRIUS |
| product designation | | contactor relay |
| Size of the contactor | | S00 |
| Protection class IP / on the front | | IP20 |
| Degree of pollution | | 3 |
| Insulation voltage / with degree of pollution 3 / rated value | V | 690 |
| Installation altitude / at a height over sea level / maximum | m | 2,000 |
| Ambient temperature | | |
| • during transport | °C | -55 ... +80 |
| • during storage | °C | -55 ... +80 |
| • during operating | °C | -25 ... +60 |
| Contact reliability | | one incorrect switching operation of 100 million switching operations (17 V, 1 mA) |
| Resistance against shock | | 10g / 5 ms and 5g / 10 ms |
| Impulse voltage resistance / rated value | kV | 6 |
| Item designation | | |
| • according to DIN EN 61346-2 | | K |
| • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 | | K |
| Mechanical operating cycles as operating time | | |

• of the contactor / typical

10,000,000

Control circuit:

Type of voltage / of the controlled supply voltage

DC

Control supply voltage / 1

• for DC / rated value

V

24

Working range factor supply voltage rated value / of the magnet coil

• for DC

0.8 ... 1.1

Pull-in power / of the solenoid / for DC

W

3.2

Holding power / of the solenoid / for DC

W

3.2

Auxiliary circuit:

Product extension / auxiliary switch

No

Identification number and letter for switching elements

71 E

Contact reliability / of the auxiliary contacts

1 faulty switching per 100 million (17 V, 1 mA)

Number of NC contacts / for auxiliary contacts

1

• delayed switching

0

• instantaneous switching

1

• asynchronous switching

0

• lagging switching

0

Number of NO contacts / for auxiliary contacts

7

• instantaneous switching

7

• delayed switching

0

• asynchronous switching

0

• leading switching

0

Number of changeover contacts

• for auxiliary contacts

0

• of the auxiliary contacts / instantaneous switching

0

Operating current / of the auxiliary contacts

• at AC-12 / maximum

A

10

• at AC-15

• at 230 V

A

6

• at 400 V

A

3

• at 500 V

A

2

• at 690 V

A

1

• with 1 current path

• at DC-12

• at 24 V

A

10

• at 110 V

A

3

• at 220 V

A

1

- at DC-13
- at 24 V
- at 110 V
- at 220 V

| | |
|---|------|
| A | 10 |
| A | 1 |
| A | 0.27 |

Short-circuit:

Design of the fuse link / for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 10 A

Installation/mounting/dimensions:

Built in orientation

with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back

Type of mounting

screw and snap-on mounting

Width

mm 45

Height

mm 57.5

Depth

mm 111

Distance, to be maintained, to the ranks assembly / sideways

mm 0

Connections:

Design of the electrical connection / for auxiliary and control current circuit

screw-type terminals

Type of the connectable conductor cross-section

- for auxiliary contacts
 - solid
 - finely stranded
 - with conductor end processing
- for AWG conductors / for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/approvals:

Verification of suitability

CSA / UL / CCC / GL / LRS / BV / DNV / RMRS / RINA

General Product Approval

Test Certificates



CQC



CSA

[ROSTEST](#)



UL

[Manufacturer](#)

Shipping Approval

other



ABS



GL

[Manufacturer](#)

Safety:

Proportion of dangerous failures

- with high demand rate / according to SN 31920

% 75

- with low demand rate / according to SN 31920

| | | |
|--|---|-------------|
| | % | 40 |
| T1 value / for proof test interval or service life / according to IEC 61508 | a | 20 |
| Protection against electrical shock | | finger-safe |
| B10 value / with high demand rate / according to SN 31920 | | 1,000,000 |

Further information:

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

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

Industry Mall (Online ordering system)

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

CAX-Online-Generator

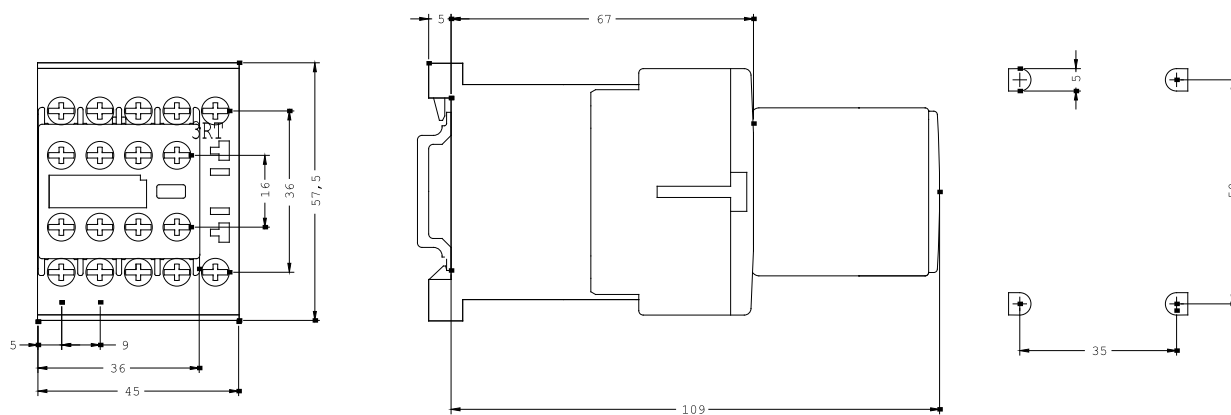
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH1271-1BB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1271-1BB40



last change:

Feb 6, 2012