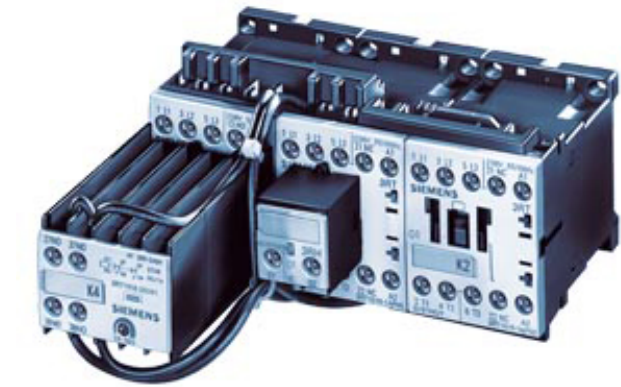


CONTACTOR COMBINATION,  
STAR-DELTA (PREASSEMBLED) FRONT-MOUNTED ON  
TIME RELAY,  
AC-3 5.5KW/400 V, 3-POLE,  
SIZE S00,S00,S00,  
EL. AND MECH. LOCKING DEVICE,  
SCREW CONNECTION, AC 24V, 50/60HZ



| General details:                                                                |    |                     |
|---------------------------------------------------------------------------------|----|---------------------|
| product brand name                                                              |    | SIRIUS              |
| Product designation                                                             |    | contactor assembly  |
| Product function                                                                |    | wye-delta-contactor |
| Size of the contactor                                                           |    | S00, S00, 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 operating                                                              | °C | -25 ... +60         |
| • during storage                                                                | °C | -55 ... +80         |
| • during transport                                                              | °C | -55 ... +80         |
| Reference code                                                                  |    |                     |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |    | K                   |
| • according to DIN EN 61346-2                                                   |    | Q                   |
| Mechanical operating cycles as operating time                                   |    |                     |
| • of the main contacts / typical                                                |    | 30,000,000          |
| • of the auxiliary contacts / typical                                           |    | 10,000,000          |

- of the contactor with added auxiliary switch block / typical

10,000,000

#### Main circuit:

**Number of poles / for main current circuit**

3

**Number of NC contacts / for main contacts**

0

**Operating voltage / at AC-3 / rated value / maximum**

V

690

**Operating current / at AC-3 / at 400 V / rated value**

A

12

**Service power / at AC-3**

- at 400 V / rated value
- at 500 V / rated value
- at 690 V / rated value

kW

5.5

kW

7.2

kW

9.2

#### Control circuit:

**Design of activation**

conventional

**Design of the surge suppressor**

without

**Voltage type / of control feed voltage**

AC

**Control supply voltage frequency**

- 1 / rated value

Hz

50

**Control supply voltage / 1**

- for AC / at 50 Hz / rated value

V

24

**operating range factor control supply voltage rated value / of the magnet coil**

- at 50 Hz
  - for AC
- at 60 Hz
  - for AC
- for DC

0.8 ... 1.1

0.85 ... 1.1

0.8 ... 1.1

#### Auxiliary circuit:

**Product extension / auxiliary switch**

Yes

**Number of NC contacts / for auxiliary contacts**

- lagging switching

0

**Number of NO contacts / for auxiliary contacts**

- instantaneous switching
- leading switching

2

0

#### Short-circuit:

**Design of the fuse link**

- for short-circuit protection of the auxiliary switch / required
- for short-circuit protection of the main circuit
  - with type of assignment 1 / required
  - at type of coordination 2 / required

fuse gL/gG: 10 A

fuse gL/gG: 35 A

fuse gL/gG: 20 A

**Installation/ mounting/ dimensions:**

|                                                                      |    |                                                                                                                         |
|----------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------|
| <b>mounting position</b>                                             |    | with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back |
| <b>Mounting type</b>                                                 |    | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022                                  |
| <b>Width</b>                                                         | mm | 135                                                                                                                     |
| <b>Height</b>                                                        | mm | 71                                                                                                                      |
| <b>Depth</b>                                                         | mm | 148                                                                                                                     |
| <b>Distance, to be maintained, to the ranks assembly / sideways</b>  | mm | 0                                                                                                                       |
| <b>Distance, to be maintained, to earthed part / sideways</b>        | mm | 0                                                                                                                       |
| <b>Distance, to be maintained, conductive elements</b><br>• sideways | mm | 0                                                                                                                       |

**Connection elements and terminals:**

|                                                                       |                      |
|-----------------------------------------------------------------------|----------------------|
| <b>Design of the electrical connection / for main current circuit</b> | screw-type terminals |
|-----------------------------------------------------------------------|----------------------|

**Certificates/ approvals:**

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| <b>Verification of suitability</b> | CE / UL / CCC / GL / LRS / BV / DNV / RMRS / RINA / PRS / ABS |
|------------------------------------|---------------------------------------------------------------|

General Product Approval

Declaration of Conformity

Shipping Approval



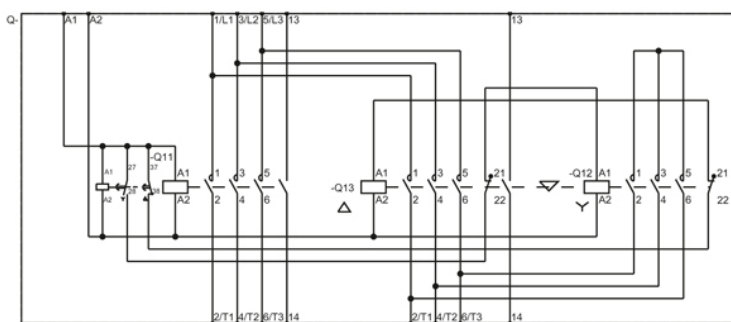
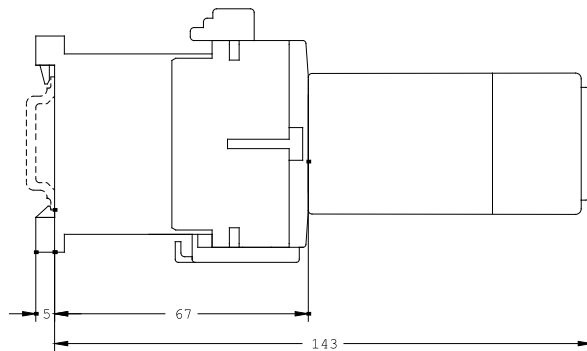
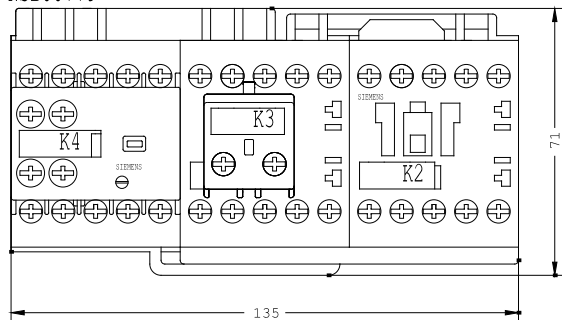
other

[other](#)[Environmental Confirmations](#)**Sicherheitstechnische Merkmale:**

|                                                        |                                                 |
|--------------------------------------------------------|-------------------------------------------------|
| <b>Contact reliability / of the auxiliary contacts</b> | 1 faulty switching per 100 million (17 V, 1 mA) |
|--------------------------------------------------------|-------------------------------------------------|

**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/3RA1415-8XB31-1AB0/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RA1415-8XB31-1AB0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1415-8XB31-1AB0)

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last change:

Jul 28, 2014