



CONTACTOR COMBINATION,  
STAR-DELTA (PREASSEMBLED) SIDE-MOUNTING ON  
TIME RELAY,  
AC-3 15/18.5 KW/400 V, 3-POLE,  
SIZE S0,S0,S0, EL.LOCK. DEVICE,  
SCREW CONNECTION, DC 24V

### General details:

|                                                                                                                                                                                     |    |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------|
| product brand name                                                                                                                                                                  |    | SIRIUS                                          |
| Product designation                                                                                                                                                                 |    | contactor assembly                              |
| Product function                                                                                                                                                                    |    | wye-delta-contactor                             |
| Size of the contactor                                                                                                                                                               |    | S0, S0, S0                                      |
| 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 <ul style="list-style-type: none"> <li>during operating</li> <li>during storage</li> <li>during transport</li> </ul>                                            | °C | -25 ... +60<br>°C -55 ... +80<br>°C -55 ... +80 |
| Reference code <ul style="list-style-type: none"> <li>according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> <li>according to DIN EN 61346-2</li> </ul> |    | K<br>Q                                          |
| Mechanical operating cycles as operating time <ul style="list-style-type: none"> <li>of the main contacts / typical</li> <li>of the auxiliary contacts / typical</li> </ul>         |    | 10,000,000<br>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

40

**Service power / at AC-3**

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

kW

18.5

kW

19

kW

19

#### Control circuit:

**Design of activation**

conventional

**Design of the surge suppressor**

without

**Voltage type / of control feed voltage**

DC

**Control supply voltage / 1**

- for DC / 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**

- instantaneous switching
- lagging switching

4

0

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

- instantaneous switching
- leading switching

4

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: 100 A

fuse gL/gG: 35 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 | 158                                                                                                                     |
| <b>Height</b>                                                        | mm | 88                                                                                                                      |
| <b>Depth</b>                                                         | mm | 145                                                                                                                     |
| <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 |
|------------------------------------|--|---------------------------------------------------------------|

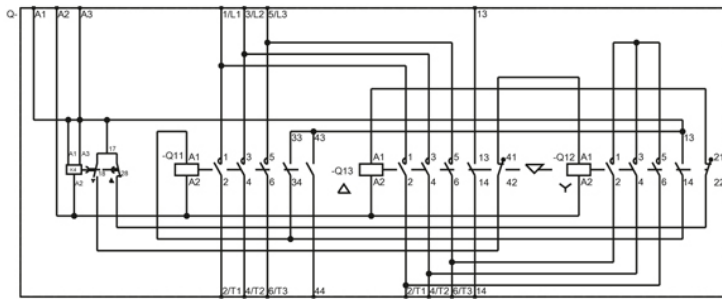
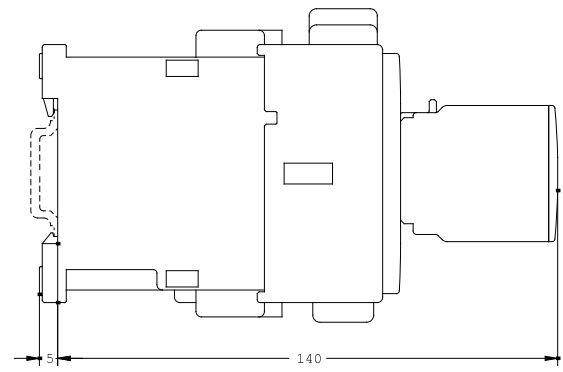
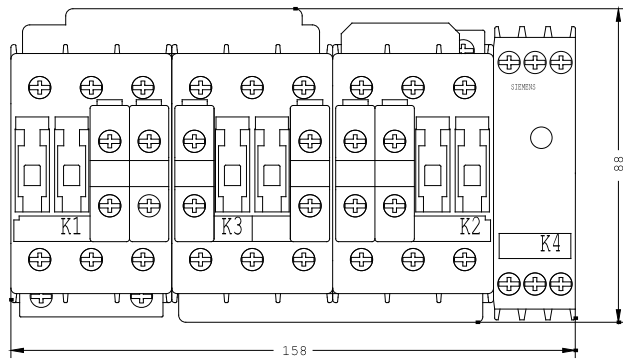
**General Product Approval****Declaration of Conformity****Shipping Approval**

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/3RA1425-8XC21-1BB4/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RA1425-8XC21-1BB4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1425-8XC21-1BB4)



last change:

Jul 28, 2014