



CONTACTOR COMBINATION,  
STAR-DELTA (PREASSEMBLED) SIDE-MOUNTING ON  
TIME RELAY,  
AC-3 75KW/400 V, 3-POLE, SIZE S3,S2,  
EL. LOCK. 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                                                                                                                                                            |    | S3, S3, S2                                      |
| 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 |
| Item designation <ul style="list-style-type: none"> <li>according to DIN 40719 extendable after 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

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

A

150

**Service power / at AC-3**

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

kW

75

kW

103

kW

110

#### Steuerstromkreis/Ansteuerung:

**Design of activation**

conventional

**Design of the surge suppressor**

without

**Type of voltage / of the controlled supply voltage**

AC

**Control supply voltage frequency**

- 1 / rated value
- 2 / rated value

Hz

50

Hz

60

**Control supply voltage / 1**

- at 50 Hz / for AC / rated value
- at 60 Hz / for AC / rated value

V

24

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

fuse gL/gG: 10 A

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

fuse gL/gG: 250 A  
fuse gL/gG: 160 A

#### Einbau/Befestigung/Abmessung:

|                                                                     |    |                                                                                                                         |
|---------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------|
| <b>mounting position</b>                                            |    | with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back |
| <b>Type of mounting</b>                                             |    | screw fixing                                                                                                            |
| <b>Width</b>                                                        | mm | 218                                                                                                                     |
| <b>Height</b>                                                       | mm | 180                                                                                                                     |
| <b>Depth</b>                                                        | mm | 194                                                                                                                     |
| <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>              |    |                                                                                                                         |
| • sideways                                                          | mm | 0                                                                                                                       |

#### Anschlüsse/Klemmen

**Design of the electrical connection / for main current circuit** screw-type terminals

#### Approbationen/ Zertifikate

**Verification of suitability** 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

**Contact reliability / of the auxiliary contacts** 1 faulty switching per 100 million (17 V, 1 mA)

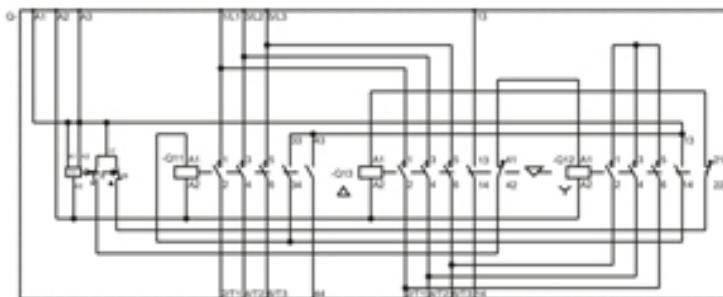
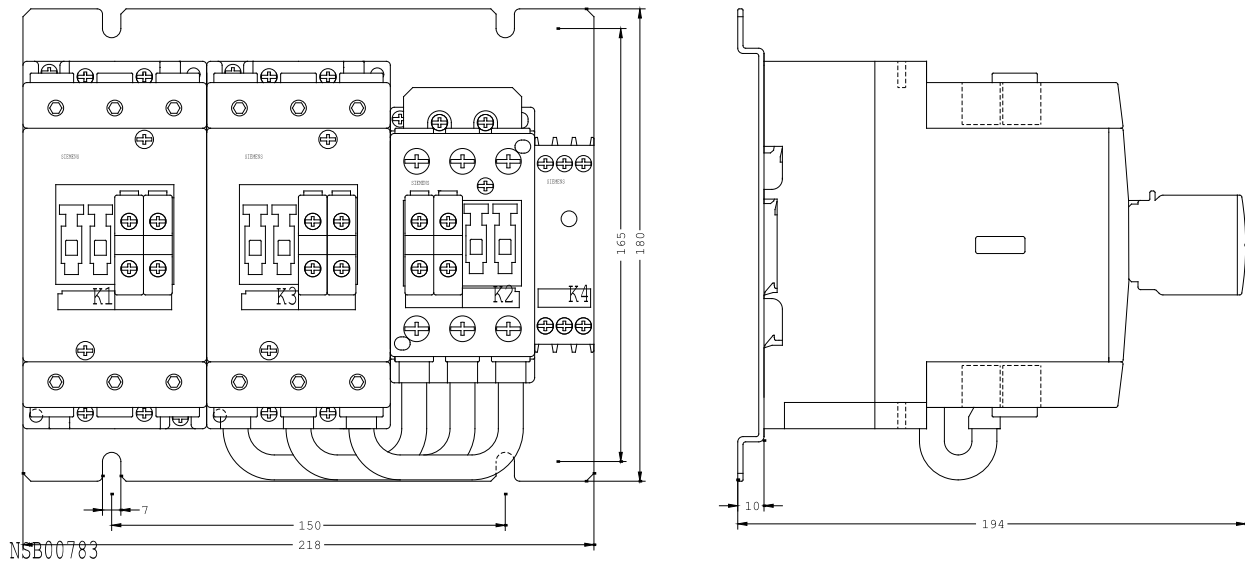
#### Further information:

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

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

**Industry Mall (Online ordering system)**

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



last change:

Jan 28, 2013