



CONTACTOR COMBINATION,
STAR-DELTA (PREASSEMBLED) SIDE-MOUNTING ON
TIME RELAY,
AC-3 55 KW/400 V, 3-POLE,
SIZE S3,S3,S2, 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		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 - during operating - during storage - during transport	°C °C °C	-25 ... +60 -55 ... +80 -55 ... +80
Item designation - according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 - according to DIN EN 61346-2		K Q
Mechanical operating cycles as operating time - of the main contacts / typical - of the auxiliary contacts / typical		10,000,000 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

115

Service power / at AC-3

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

kW

55

kW

81

kW

93

Steuerstromkreis/Ansteuerung:

Design of activation

conventional

Design of the surge suppressor

without

Type of voltage / of the controlled supply 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: 250 A

fuse gL/gG: 125 A

Einbau/Befestigung/Abmessung:

mounting position		with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Type of mounting		screw fixing
Width	mm	218
Height	mm	180
Depth	mm	207
Distance, to be maintained, to the ranks assembly / sideways	mm	0
Distance, to be maintained, to earthed part / sideways	mm	0
Distance, to be maintained, conductive elements • sideways	mm	0

Anschlüsse/Klemmen

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

Verification of suitability		CE / UL / CCC / GL / LRS / BV / DNV / RMRS / RINA / PRS / ABS
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General Product Approval

Declaration of Conformity



GOST



EG-Konf.

Shipping Approval



GL



LRS



RINA



RMRS

other

[other](#)

[Environmental Confirmations](#)

Sicherheitstechnische Merkmale

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

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

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

Industry Mall (Online ordering system)

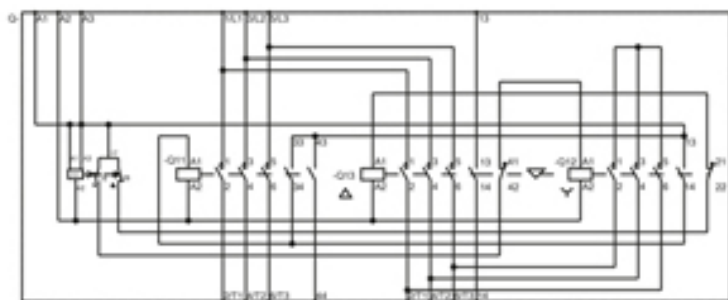
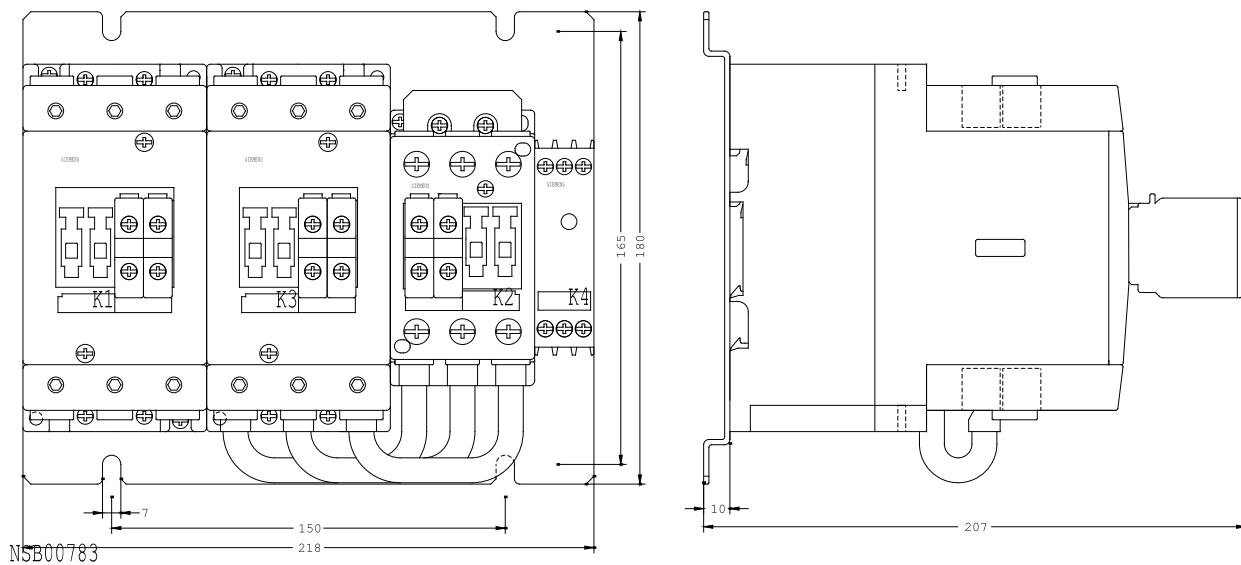
<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

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

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

<http://support.automation.siemens.com/WW/view/en/3RA1444-8XC21-1BB4/all>



last change:

Jan 28, 2013