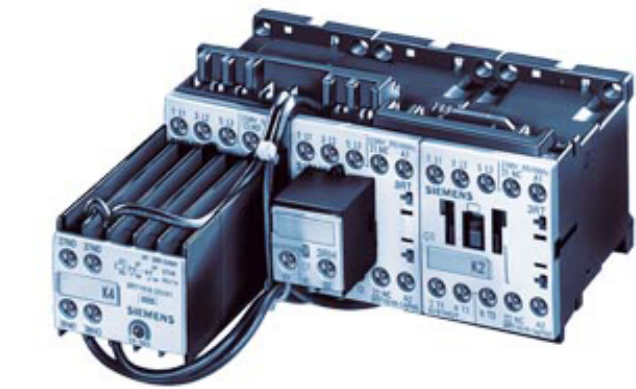


CONTACTOR COMBINATION,
STAR-DELTA (PREASSEMBLED) FRONT-MOUNTED ON
TIME RELAY,
AC-3 7.5KW/400 V, 3-POLE,
SIZE S00,S00,S00,
EL. AND MECH. LOCKING DEVICE,
SCREW CONNECTION, AC 110V, 50/60HZ



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

17

Service power / at AC-3

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

kW

7.5

kW

10.3

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

- at 50 Hz / for AC / rated value

V

110

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:

mounting position		with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Width	mm	135
Height	mm	71
Depth	mm	148
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

Connection elements and terminals:

Design of the electrical connection / for main current circuit	screw-type terminals
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Certificates/ approvals:

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

Declaration of Conformity

Shipping Approval



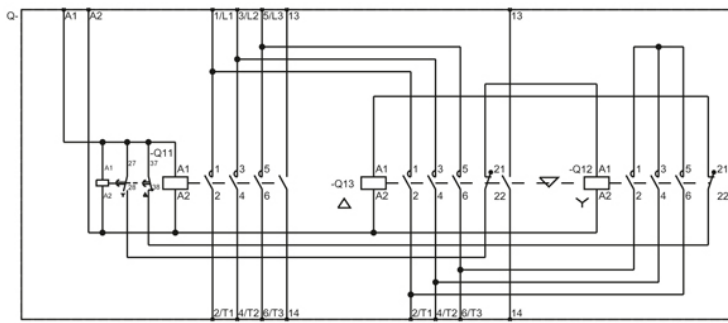
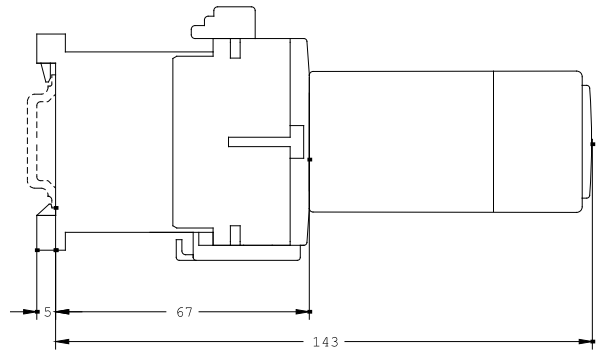
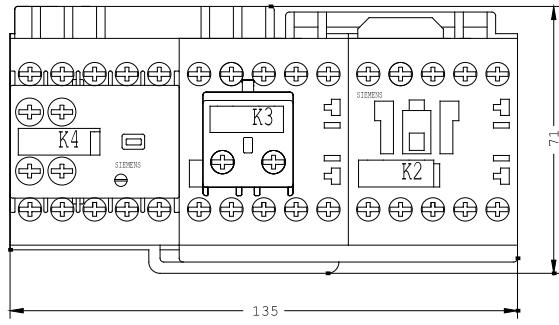
other

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

Contact reliability / of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
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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/3RA1416-8XB31-1AF0/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1416-8XB31-1AF0

NSB00119



last change:

Jul 7, 2014