



CONTACTOR, AC-3 30 KW/400 V, DC 24 V,
3-POLE, SIZE S3, SCREW CONNECTION

General technical data:

product brand name		SIRIUS
Size of the contactor		S3
Protection class IP / on the front		IP20
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature / during operating	°C	-25 ... +60
Mechanical operating cycles as operating time		
<ul style="list-style-type: none"> • of the contactor / typical • of the contactor with added auxiliary switch block / typical • of the contactor with added electronics-compatible auxiliary switch block / typical 		<p>10,000,000</p> <p>10,000,000</p> <p>5,000,000</p>

Main circuit:

Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Operational current		
<ul style="list-style-type: none"> • at AC-1 / at 400 V <ul style="list-style-type: none"> • at 40 °C ambient temperature / rated value • at 60 °C ambient temperature / rated value • at AC-3 / at 400 V / rated value 	<p>A</p> <p>A</p> <p>A</p>	<p>100</p> <p>90</p> <p>65</p>

• at AC-4 / at 400 V / rated value	A	55
• with 1 current path / at DC-1		
• at 24 V / rated value	A	90
• at 110 V / rated value	A	4.5
• with 2 current paths in series / at DC-1		
• at 24 V / rated value	A	90
• at 110 V / rated value	A	90
• with 3 current paths in series / at DC-1		
• at 24 V / rated value	A	90
• at 110 V / rated value	A	90
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / rated value	A	40
• at 110 V / rated value	A	2.5
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	90
• at 110 V / rated value	A	90
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	90
• at 110 V / rated value	A	90
Service power		
• at AC-2 / at 400 V / rated value	kW	30
• at AC-3 / at 400 V / rated value	kW	30
• at AC-4 / at 400 V / rated value	W	30,000

Control circuit:		
Type of voltage / of the controlled supply voltage		DC
Operating range factor control supply voltage rated value / of the magnet coil		
• for DC		0.8 ... 1.1
Pull-in power / of the solenoid / for DC	W	15
Holding power / of the solenoid / for DC	W	15

Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts / instantaneous switching		0
Number of NO contacts / for auxiliary contacts / instantaneous switching		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: 125 A

Installation/mounting/dimensions:

Type of mounting		screw and snap-on mounting onto 35 mm and 75 mm standard mounting rail
series installation		Yes
Width	mm	70
Height	mm	146
Depth	mm	152
Distance, to be maintained, to earthed part / sideways	mm	6

Connection type:

Design of the electrical connection <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 		screw-type terminals screw-type terminals
Type of the connectable conductor cross-section <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • without conductor final cutting • for AWG conductors / for main contacts • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • for AWG conductors / for auxiliary contacts 		2x (2.5 ... 16 mm ²) 2x (2.5 ... 35 mm ²) 2x (10 ... 35 mm ²) 2x (10 ... 1/0) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/approvals:

General Product Approval**Functional Safety /
Safety of
Machinery**

CCC



CSA



GOST



KETI



UL

[Type Examination](#)**Declaration of
Conformity****Test Certificates**

EG-Konf.

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ABS

BUREAU
VERITAS

GL



LRS

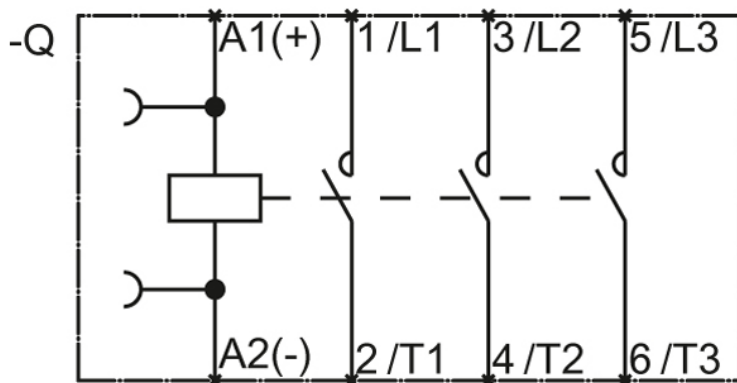
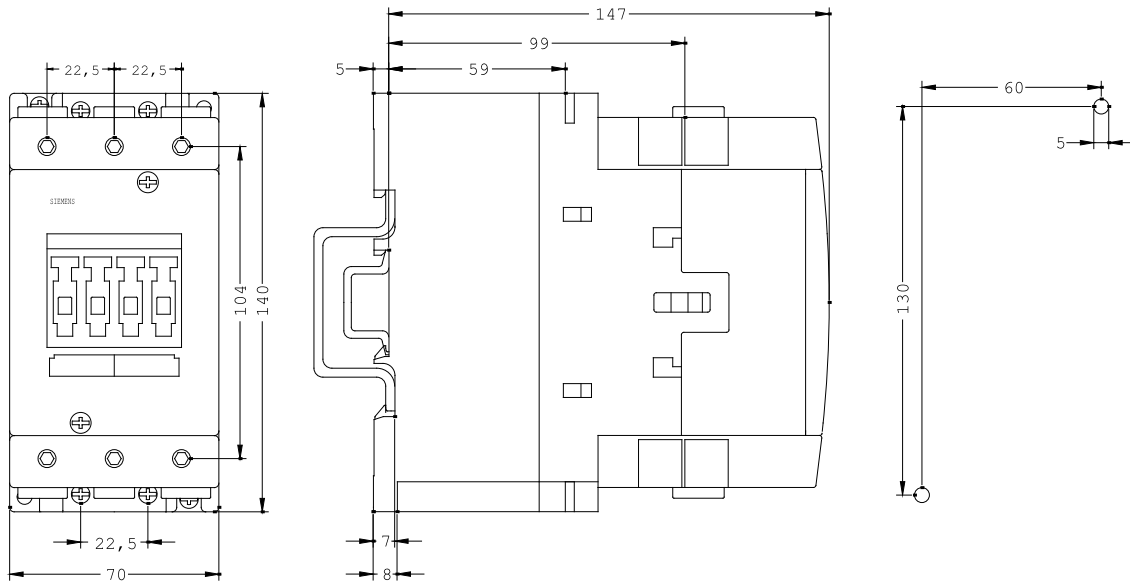


RINA



RMRS

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last change:

Apr 18, 2013