



CONTACTOR, AC-1 140 A, DC 24 V, 4-POLE,  
SIZE S3,  
SCREW CONNECTION AVAILABLE MARCH '98

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

**General technical data:**

<b>product brand name</b>	SIRIUS	
<b>Size of the contactor</b>	S3	
<b>Protection class IP / on the front</b>	IP00	
<b>Degree of pollution</b>	3	
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Ambient temperature / during operating</b>	°C	-25 ... +60
<b>Mechanical operating cycles as operating time</b>		
• of the contactor / typical	10,000,000	
• of the contactor with added auxiliary switch block / typical	10,000,000	
• of the contactor with added electronics-compatible auxiliary switch block / typical	5,000,000	

**Main circuit:**

<b>Number of NC contacts / for main contacts</b>	0	
<b>Number of NO contacts / for main contacts</b>	4	
<b>Operating current</b>		
• at AC-1 / at 400 V		
• at 40 °C ambient temperature / rated value	A	140
• at 60 °C ambient temperature / rated value	A	120
• with 1 current path / at DC-1		

- at 24 V / rated value
- at 110 V / rated value
- with 2 current paths in series / at DC-1
  - at 24 V / rated value
  - at 110 V / rated value
- with 3 current paths in series / at DC-1
  - at 24 V / rated value
  - at 110 V / rated value
- with 1 current path / at DC-3 / at DC-5
  - at 24 V / rated value
  - at 110 V / rated value
- with 2 current paths in series / at DC-3 / at DC-5
  - at 24 V / rated value
  - at 110 V / rated value
- with 3 current paths in series / at DC-3 / at DC-5
  - at 24 V / rated value
  - at 110 V / rated value

A	80
A	9
A	80
A	80
A	80
A	80
A	20
A	2.5
A	80
A	80
A	80
A	80
W	10.8

**Active power loss / per conductor / typical**

**Control circuit:**

**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**

- 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

**Operating current / of the auxiliary contacts**

- at AC-12 / maximum
- at AC-15
  - at 230 V
  - at 400 V
- at DC-12

A

10

A

6

A

3

- at 60 V
- at 110 V
- at 220 V
- at DC-13
  - at 24 V
  - at 60 V
  - at 110 V
  - at 220 V

A	6
A	3
A	1
A	10
A	2
A	1
A	0.3

#### 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: 160 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 93

##### Height

mm 146

##### Depth

mm 152

##### Distance, to be maintained, to earthed part / sideways

mm 6

#### Connection type:

##### Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals

screw-type terminals

#### Certificates/approvals:

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