# **SIEMENS**

Product data sheet 3RV1031-4FB10



CIRCUIT-BREAKER, SIZE S2, FOR MOTOR PROTECTION, CLASS 20, A-RELEASE 28...40 A, N-RELEASE 520 A, SCREW CONNECTION, STANDARD BREAKING CAPACITY

General technical data:		
product brand name		SIRIUS
product designation		circuit breaker
Size of the circuit-breaker		S2
Number of poles / for main current circuit		3
Product function		
<ul> <li>removable terminal for auxiliary and control circuit</li> </ul>		No
overload protection		Yes
phase disturbance recognition		Yes
short-circuit to earth recognition		No
Product component		
auxiliary switch		No
undervoltage release mechanism		No
trip indicator		No
Product extension		
auxiliary switch		Yes
optional / motor drive		Yes
Impulse voltage resistance / rated value	V	6,000
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe

Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		25g / 11 ms
Ambient temperature		
during transport	°C	-50 +80
during storage	°C	-50 +80
during operating	°C	-20 +70
Active power loss / total / typical	W	20
Main circuit:		
Operating voltage / rated value	V	690
type of voltage		AC/DC
Service power / at AC-3 / at 400 V / rated value	kW	18.5
Operating current / at AC-3 / at 400 V / rated value	Α	40
Mechanical operating cycles as operating time / of the main contacts / typical		50,000
Frequency of operation / at AC-3 / according to IEC 60947-6-2	1/h	15
Auxiliary circuit:		
Number of changeover contacts / for auxiliary contacts		0

Nur	mber of changeover contacts / for auxiliary contacts	0	
Dro	staatian funation.		

Protection function:		
Trip class		CLASS 20
Adjustable response current / of the current-dependent overload release	А	28 40
Breaking capacity limit short-circuit current (Icu)		
• at 400 V / rated value	kA	50
• at 500 V / rated value	kA	10
• at 690 V / rated value	kA	4

Installation/mounting/dimensions:		
Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
mounting position		any
Depth	mm	149
Height	mm	140
Width	mm	55

Connections:	
Arrangement of electrical connectors / for main current circuit	front side
Design of the electrical connection	
• for main current circuit	screw-type terminals with box terminals
• for auxiliary and control current circuit	screw-type terminals
Type of the connectable conductor cross-section	

• for main contacts

• solid

• finely stranded

• with conductor end processing

• stranded

• for AWG conductors / for main contacts

2x (0.75 ... 16 mm²)

2x (0.75 ... 16 mm²), 0.75 ... 25 mm²

2x (0.75 ... 25 mm²), 0.75 ... 35 mm²

2x (18 ... 2), 1x (18 ... 2)

## Certificates/approvals:

#### **General Product Approval**

**Test Certificates** 





Special Test Certificate

#### **Shipping Approval**











other

Confirmation

Declaration of Conformity

other

Environmental Confirmations

### 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:

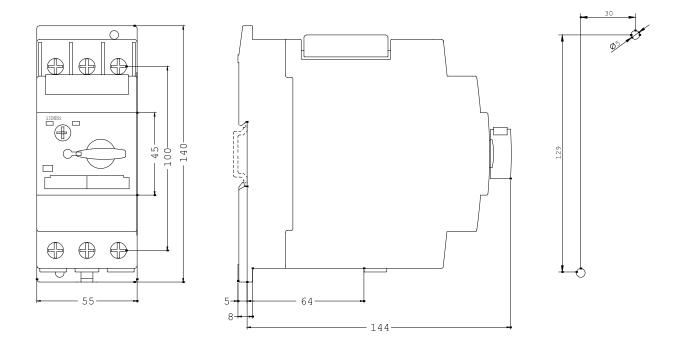
http://www.siemens.com/cax

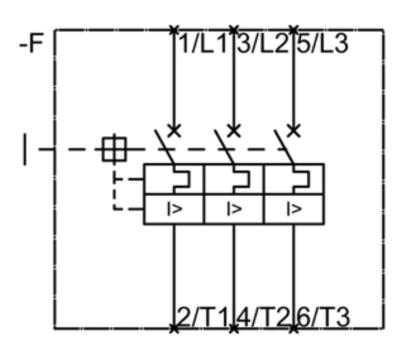
#### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RV1031-4FB10/all

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RV1031-4FB10





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