SIEMENS

Product data sheet 3RV1031-4FA10



CIRCUIT-BREAKER SIZE S2. FOR MOTOR PROTECTION, CLASS 10, A-REL. 28...40A, N-REL. 520A, SCREW TERMINAL, STANDARD SWITCHING 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				
 removable terminal for auxiliary and control circuit 		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	А	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
Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	А	28 40
Breaking capacity limit short-circuit current (lcu)		
• at 400 V / rated value	kA	50
• at 500 V / rated value	kA	10

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		

kA

4

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	

• at 690 V / rated value

- 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:

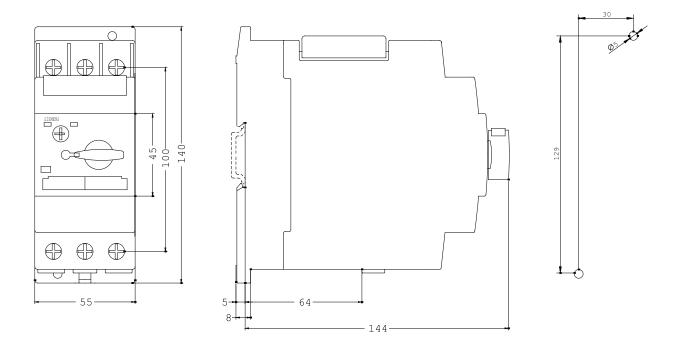
http://www.siemens.com/cax

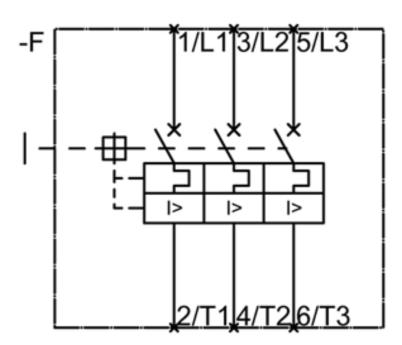
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RV1031-4FA10/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1031-4FA10





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