## **SIEMENS**

Product data sheet 3RV1041-4JA15



CIRCUIT-BREAKER SIZE S3 A-RELEASE 45...63A, N-RELEASE 819 A MOTOR PROTECTION, CLASS 10 SCREW CONNECTION

General technical data:		
product brand name		SIRIUS
product designation		circuit breaker
Size of the circuit-breaker		S3
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		Yes
• undervoltage release mechanism		No
• trip indicator		Yes
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	30
Operating current / at AC-3 / at 400 V / rated value	Α	63
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:		
Design of the auxiliary switch		transverse
Number of changeover contacts / for auxiliary contacts		0
Operating current / of the auxiliary contacts		
• at AC-15		
• at 24 V	Α	2
• at 230 V	Α	0.5
• at DC-13		
• at 24 V	А	1
• at 60 V	А	0.15

Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	Α	45 63
Breaking capacity limit short-circuit current (lcu)		
• at 400 V / rated value	kA	50
• at 500 V / rated value	kA	12
• at 690 V / rated value	kA	6

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	174

Height	mm	165
Width	mm	70

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
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals
Type of the connectable conductor cross-section	
• for main contacts	
• solid	2x (2.5 16 mm²)
• finely stranded	
<ul> <li>with conductor end processing</li> </ul>	2x (2.5 35 mm²), 2.5 50 mm²
• stranded	2x (10 50 mm²), 10 70 mm²
• for AWG conductors / for main contacts	2x (10 1), 1x (10 2)
for auxiliary contacts	
• solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• finely stranded / with conductor end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• for AWG conductors / for auxiliary contacts	2x (18 14)

## 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)

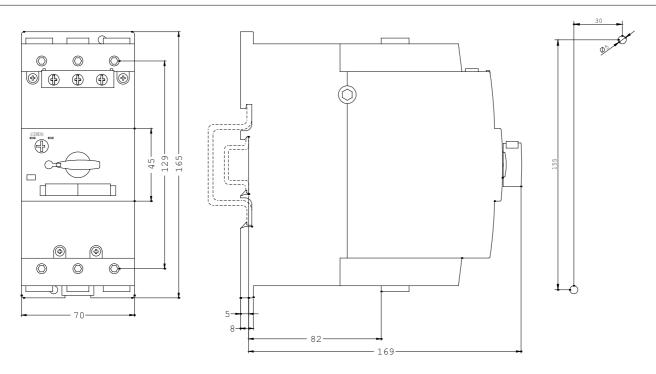
http://www.siemens.com/industrial-controls/mall

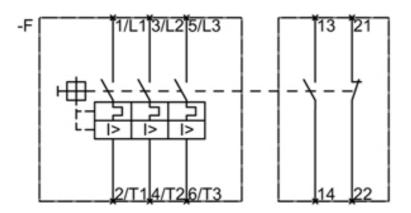
Cax online generator:

http://www.siemens.com/cax

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

 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3RV1041-4JA15/all}}$ 





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