# **SIEMENS**

Product data sheet 3RV1011-0HA10



CIRCUIT-BREAKER SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A-REL.0.55...0.8A, N-REL.10 A SCREW TERMINAL, STANDARD SWITCHING CAPACITY

General technical data:			
product brand name		SIRIUS	
Product designation		circuit breaker	
Size of the circuit-breaker		S00	
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		No	
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  Mesistance against shock  Ambient temperature  • during strange  • C			
Ambient temperature  - during stroage - during operating - C	Installation altitude / at a height over sea level / maximum	m	
- during storage - during operating - during voltage / rated value - W 5  Main circuit:  Operating voltage / rated value - Service power / at AC-3 / at 400 V / rated value - Operating current / at AC-3 / at 400 V / rated value - A 0.8  Mechanical operating cycles as operating time / of the main contacts / typical - Frequency of operation / with AC-3 / maximum - I/h 15  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts - O  Protection function:  Trip class - CLASS 10 - Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type - screw and snap-on mounting not 35 mm standard mounting type - mounting position - any - screw and snap-on mounting to DIN EN 50022  mounting position - any - with conductor connection - for main current circuit - for auxiliary and control current circuit - for main current circuit - for main current circuit - for main contacts - solid - finely stranded - with conductor end processing - screw-type terminals	Resistance against shock		25g / 11 ms
- during storage - during operating - C - 20 +80 - Active power loss / total / typical  Main circuit:  Operating voltage / rated value  Service power / at AC-37 at 400 V / rated value  Operating current / at AC-37 at 400 V / rated value  A 0.8  Machanical operating cycles as operating ime / of the main contacts / typical  Frequency of operating / with AC-37 maximum  In 15  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  OProtection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  mounting position  Opeth  mm 81  Height  mm 90  Width  Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connectors  For main current circuit  for main cur	Ambient temperature		
- • during operating PC 20 460 Active power loss / total / typical W 5  Main circuit:  Operating voltage / rated value V 690 Service power / at AC-3 / at 400 V / rated value RW 0.18 Operating current / at AC-3 / at 400 V / rated value A 0.8  Mochanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15  Auxiliary circuit: Number of changeover contacts / for auxiliary contacts O 0  Protection function: Trip class C CLASS 10 Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type Screw and snap-on mounting onto 35 mm standard mounting position any any any any any any any any and control current circuit front side  Peight mm 90 Width mm 45  Connections:  Arrangement of electrical connectors / for main current circuit screw-type terminals screw-type terminals  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  **Connections:**  Arrangement of electrical connectors / for main current circuit screw-type terminals  **Connections:**  ***  **Connections:*	during transport	°C	-50 +80
Active power loss / total / typical  Main circuit:  Operating voltage / rated value  Service power / at AC-3 / at 400 V / rated value  Mechanical operating cycles as operating time / of the main contacts / typical  Frequency of operation / with AC-3 / maximum  1/h 15  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  Protection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  Depth  Height  mm 90  Width  Time 45  Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing   W 0.8  0.8  0.8  0.8  0.8  0.8  0.8  0.8	during storage	°C	-50 +80
Operating voltage / rated value  Service power / at AC-3 / at 400 V / rated value  Operating current / at AC-3 / at 400 V / rated value  Mechanical operating cycles as operating time / of the main contacts / typical  Frequency of operation / with AC-3 / maximum  1/h  15  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  O  Protection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  screw and snap-on mounting noti 35 mm standard mounting rail according to DIN EN 50022  mounting position  Depth  mm  81  Height  Width  mm  90  Width  Trip of the efectrical connectors / for main current circuit  Design of the efectrical connector  • for main current circuit  • for auxiliary and control current circuit  • for main contacts  • solid  • finely stranded  • with conductor and processing	during operating	°C	-20 +60
Operating voltage / rated value  Service power / at AC-3 / at 400 V / rated value  No perating current / at AC-3 / at 400 V / rated value  A 0.8  Mechanical operating cycles as operating time / of the main contacts / typical  Frequency of operation / with AC-3 / maximum  I/h 15  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  O  Protection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  Serve and snap-on mounting onto 35 mm standard mounting position  any  Depth  mm 81  Height  mm 90  Width  The standard connections / for main current circuit  Design of the electrical connectors / for main current circuit  From an current circuit  From an current circuit  From an contacts  **corew-type terminals**  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  **with conductor end processing	Active power loss / total / typical	W	5
Service power / at AC-3 / at 400 V / rated value  Operating current / at AC-3 / at 400 V / rated value  A 0.8  Mechanical operating cycles as operating time / of the main contacts / typical  Frequency of operation / with AC-3 / maximum  1/h 15  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  O  Protection function:  Trip class  CLASS 10  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  Screw and snap-on mounting onto 35 mm standard mounting rati according to DIN EN 50022  mounting position  Depth  mm 81  Height  mm 90  Width  mm 45  Connections:  Arrangement of electrical connectors / for main current circuit  For main current circuit  Type of the connectable conductor cross-section  • for main current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • with conductor end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Main circuit:		
Operating current / at AC-3 / at 400 V / rated value  Mechanical operating cycles as operating time / of the main contacts / typical  Frequency of operation / with AC-3 / maximum  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  Installation/mounting/dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  any  Depth  mm  81  Height  mm  90  Width  Tomain current circuit  Pesign of the electrical connectors / for main current circuit  Posign of the electrical connectors  • for main current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  A 0.8  100,000	Operating voltage / rated value	V	690
Mechanical operating cycles as operating time / of the main contacts / typical  Frequency of operation / with AC-3 / maximum  1/h  15  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  0  Protection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  Pepth  mm  81  Height  mm  90  Width  Tomain current circuit  of or auxiliary and control current circuit  Type of the connectable conductor cross-section  of ormain contacts  osition  of main contacts  osition  ositio	Service power / at AC-3 / at 400 V / rated value	kW	0.18
Frequency of operation / with AC-3 / maximum  Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  Protection function:  Trip class  Adjustable response current / of the current-dependent overlease  Installation/mounting/dimensions:  Mounting type  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  any  Depth  mm  81  Height  mm  90  Width  Ton asin current circuit  For auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  1/h  15  15  15  15  15  15  15  16  16  17  18  18  18  18  18  18  18  18  18	Operating current / at AC-3 / at 400 V / rated value	Α	0.8
Auxiliary circuit:  Number of changeover contacts / for auxiliary contacts  Protection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  Depth  mm  81  Height  mm  90  Width  Tomain current circuit  front side  Design of the electrical connectors / for main current circuit  For auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing   CLASS 10  CLASS 10  A			100,000
Number of changeover contacts / for auxiliary contacts  Protection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  Depth  mm  81  Height  mm  90  Width  mm  45   Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  CLASS 10  CLAS 10  CLASS 10  CLAS 10  A 0.55 0.8  CIAS S 10  CLASS 10  CLASS 10  CLASS 10  CLAS S 10  CLASS 10  CLAS S 10	Frequency of operation / with AC-3 / maximum	1/h	15
Protection function:  Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  Depth  mm  81  Height  mm  90  Width  mm  45   Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  CLASS 10  A 0.55 0.8  O.55 0.8  O.5	Auxiliary circuit:		
Trip class  Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  any  Depth mm 81  Height mm 90  Width mm 45  Connections:  Arrangement of electrical connectors / for main current circuit for main current circuit of or main current circuit of the electrical connection of the main current circuit of the connectable conductor cross-section of main contacts	Number of changeover contacts / for auxiliary contacts		0
Adjustable response current / of the current-dependent overload release  Installation/mounting/dimensions:  Mounting type  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  Depth  mm  81  Height  mm  90  Width  mm  45   Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  A 0.55 0.8  0.55	Protection function:		
Installation/mounting/dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  pepth mm 81  Height mm 90  Width mm 45  Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection • for main current circuit • for auxiliary and control current circuit  Type of the connectable conductor cross-section • for main contacts • solid • finely stranded • with conductor end processing  screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Trip class		CLASS 10
Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  mounting position  any  Depth  mm 81  Height  mm 90  Width  mm 45   Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  any  81  82  84  84  84  84  84  84  84  84  85  86  86  86  87  88  88  88  88  88  88		А	0.55 0.8
mounting position  Depth  mm  81  Height  mm  90  Width  Mm  45   Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • with conductor end processing  mounting rail according to DIN EN 50022  any  mounting rail according to DIN EN 50022  any  any  81  81  Formal silon  Front side  front side  front side  front side   2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Installation/mounting/dimensions:		
Depth mm 81  Height mm 90  Width mm 45  Connections:  Arrangement of electrical connectors / for main current circuit front side  Design of the electrical connection  • for main current circuit screw-type 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  mm 81  ### 15  ### 20  ##	Mounting type		
Height mm 90  Width mm 45  Connections:  Arrangement of electrical connectors / for main current circuit front side  Design of the electrical connection  • for main current circuit screw-type 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  mm 90  At 5	mounting position		any
Width mm 45  Connections:  Arrangement of electrical connectors / for main current circuit front side  Design of the electrical connection  • for main current circuit screw-type 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  mm 45   front side   2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Depth	mm	81
Connections:  Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  front side  screw-type terminals  screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Height	mm	90
Arrangement of electrical connectors / for main current circuit  Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  front side  screw-type terminals  screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Width	mm	45
Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Connections:		
• for main current circuit     • for auxiliary and control current circuit  Type of the connectable conductor cross-section      • for main contacts     • solid     • finely stranded     • with conductor end processing  screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Arrangement of electrical connectors / for main current circuit		front side
• for auxiliary and control current circuit  Type of the connectable conductor cross-section      • for main contacts     • solid     • finely stranded     • with conductor end processing      • for auxiliary and control current circuit  screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Design of the electrical connection		
Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	for main current circuit		screw-type terminals
• for main 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)	<ul> <li>for auxiliary and control current circuit</li> </ul>		screw-type terminals
• solid	Type of the connectable conductor cross-section		
• finely stranded  • with conductor end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	• for main contacts		
• with conductor end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	• 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)
	• stranded		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)

## Certificates/approvals:

#### **General Product Approval**





#### **Test Certificates**

Special Test Certificate

#### **Shipping Approval**













**Shipping Approval** 





other

Confirmation

Declaration of Conformity

other

 $\frac{\text{Environmental}}{\text{Confirmations}}$ 

### **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:

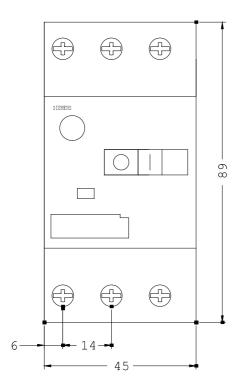
http://www.siemens.com/cax

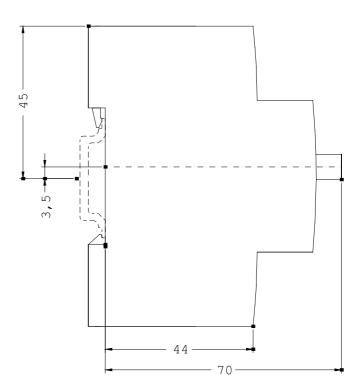
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

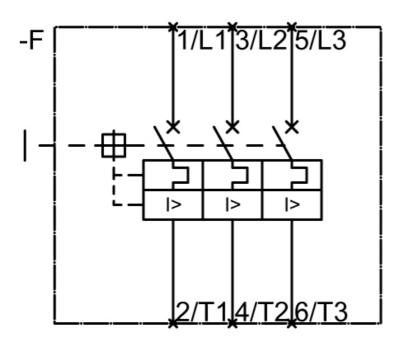
http://support.automation.siemens.com/WW/view/en/3RV1011-0HA10/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RV1011-0HA10







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