## **SIEMENS**

Product data sheet 3RH2911-1GA04



Product brand name     SIRIUS       Product designation     auxiliary switch can be snapped onto the front side       Acceptability for application     Contactor relay and power contactor       Size of the contactor     \$00       Protection class IP / frontal/front side     IP20       Ambient temperature <ul> <li>during storage</li> <li>during the operating phase</li> <li>C -55 80</li> </ul> Mechanical operating cycles as operating time <ul> <li>typical</li> <li>10,000,000</li> </ul> Electrical operating cycles as operating time / at AC-15 / at 230 V <ul> <li>typical</li> <li>200,000</li> </ul> Contact reliability     one incorrect switching operation of 100 million switching operations (17 V, 5 mA)           Contact reliability / of the auxiliary contacts         one incorrect switching operations (17 V, 5 mA)           Insulation voltage / with degree of pollution 3 <ul> <li>rated value</li> <li>V</li> <li>690</li> </ul> Impulse voltage resistance	General technical data:		
Acceptability for application  Size of the contactor  Protection class IP / frontal/front side  Ambient temperature  • during storage • during the operating phase  • typical  Electrical operating cycles as operating time / at AC-15 / at 230 V  • typical  Contact reliability  Contact reliability / of the auxiliary contacts  Insulation voltage / with degree of pollution 3  • rated value  Contact reliability  Contact reliability  Contact reliability / of the degree of pollution 3  • rated value  Contact reliability  Contact reliability / of the degree of pollution 3  • rated value  Contact reliability  Contact reliability / of the degree of pollution 3  • rated value  Contact reliability  Contact reliability  Contact reliability / of the degree of pollution 3  • rated value	Product brand name		SIRIUS
Size of the contactor  Protection class IP / frontal/front side  Ambient temperature  • during storage • during the operating phase  • during the operating cycles as operating time • typical  Electrical operating cycles as operating time / at AC-15 / at 230 V  • typical  Contact reliability  Contact reliability / of the auxiliary contacts  Insulation voltage / with degree of pollution 3  • rated value  S00  IP20  Contact reliability / Contact reliability  S00  IP20  Contact reliability / Contact reliability  S00  Contact reliability / Contact reliability / Of the auxiliary contacts  V 690	Product designation		auxiliary switch can be snapped onto the front side
Protection class IP / frontal/front side  Ambient temperature  • during storage  • during the operating phase  **C	Acceptability for application		Contactor relay and power contactor
Ambient temperature  • during storage  • during the operating phase  • typical  Electrical operating cycles as operating time / at AC-15 / at 230  V  • typical  Contact reliability  Contact reliability / of the auxiliary contacts  Insulation voltage / with degree of pollution 3  • rated value  • during storage  °C  -55 80  10,000,000  10,000,000  200,000  200,000  cone incorrect switching operation of 100 million switching operation of 100 million switching operations (17 V, 5 mA)	Size of the contactor		S00
<ul> <li>during storage</li> <li>during the operating phase</li> <li>C -55 80</li> <li>Mechanical operating cycles as operating time</li> <li>typical</li> <li>typical</li> <li>typical</li> <li>Contact reliability</li> <li>Contact reliability / of the auxiliary contacts</li> <li>Insulation voltage / with degree of pollution 3</li> <li>rated value</li> <li>C -55 80</li> <li>C -25 60</li> <li>D (0,000,000</li> <li>T (0,000,000</li> <li< th=""><th>Protection class IP / frontal/front side</th><th></th><th>IP20</th></li<></ul>	Protection class IP / frontal/front side		IP20
• during the operating phase     • during the operating cycles as operating time     • typical  Electrical operating cycles as operating time / at AC-15 / at 230 V     • typical  Contact reliability  Contact reliability / of the auxiliary contacts  Insulation voltage / with degree of pollution 3     • rated value  *C -25 60  10,000,000  200,000  200,000  cone incorrect switching operation of 100 million switching operations (17 V, 5 mA)  One incorrect switching operation of 100 million switching operations (17 V, 5 mA)  One incorrect switching operations (17 V, 5 mA)  One incorrect switching operation of 100 million switching operations (17 V, 5 mA)	Ambient temperature		
Mechanical operating cycles as operating time  • typical 10,000,000  Electrical operating cycles as operating time / at AC-15 / at 230 V  • typical 200,000  Contact reliability one incorrect switching operation of 100 million switching operations (17 V, 5 mA)  Contact reliability / of the auxiliary contacts one incorrect switching operation of 100 million switching operations (17 V, 5 mA)  Insulation voltage / with degree of pollution 3  • rated value V 690	during storage	°C	-55 80
typical  Electrical operating cycles as operating time / at AC-15 / at 230      typical  Contact reliability  Contact reliability / of the auxiliary contacts  Insulation voltage / with degree of pollution 3      rated value      10,000,000  200,000  one incorrect switching operation of 100 million switching operations (17 V, 5 mA)  one incorrect switching operation of 100 million switching operations (17 V, 5 mA)  V 690	during the operating phase	°C	-25 60
Electrical operating cycles as operating time / at AC-15 / at 230  • typical  Contact reliability  Contact reliability / of the auxiliary contacts  Contact reliability / of the auxiliary contacts  Insulation voltage / with degree of pollution 3  • rated value  Contact reliability / of the auxiliary contacts  V 690	Mechanical operating cycles as operating time		
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switching operations (17 V, 5 mA)  Insulation voltage / with degree of pollution 3  • rated value  V 690	Contact reliability		J.
• rated value V 690	Contact reliability / of the auxiliary contacts		G ,
	Insulation voltage / with degree of pollution 3		
Impulse voltage resistance	• rated value	V	690
	Impulse voltage resistance		

• rated value kV 6

Number of NO contests (for any!!!============		
Number of NC contacts / for auxiliary contacts		
instantaneous switching		4
lagging switching		0
Number of NO contacts / for auxiliary contacts		
instantaneous switching		0
leading switching		0
Number of changeover contacts / of the auxiliary contacts		
non-delayed		0
Operating current / of the auxiliary contacts		
• at AC-12		
• at 24 V	Α	6
• at 230 V	Α	6
• at 400 V	Α	6
• at 690 V	Α	6
• maximum	Α	6
• at AC-14		
• at 125 V	Α	6
• at 250 V	Α	6
• at AC-15		
• at 24 V	Α	6
• at 230 V	Α	6
• at 690 V	Α	1
• at 400 V	Α	3
• at DC-13		
• at 24 V	Α	10
• at 48 V	Α	2
• at 60 V	Α	2
• at 110 V	Α	1
• at 125 V	Α	0.9
• at 220 V	Α	0.3
• at 250 V	Α	0.3

Installation/mounting/dimensions:		
Type of fixing/fixation		snap-on mounting
Width	mm	36
Height	mm	37.5
Depth	mm	43.7

Connections:	
Design of the electrical connection	
• for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross section	
• for auxiliary contacts	
• solid	2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)
• finely stranded	
• with wire end processing	2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)
• for AWG conductors / for auxiliary contacts	2x (20 16), 2x (18 14)

Certificates/approvals:	
Verification of suitability	CE / UL / CSA / CCC

## **Further information:**

Information- and Downloadcenter (Catalogs, Brochures,...)

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

Global Industry Mall (Online ordering system)

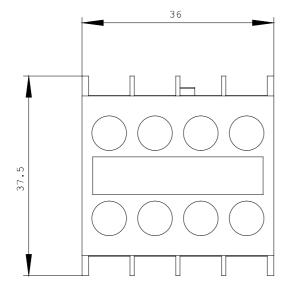
http://www.siemens.com/industrial-controls/mall

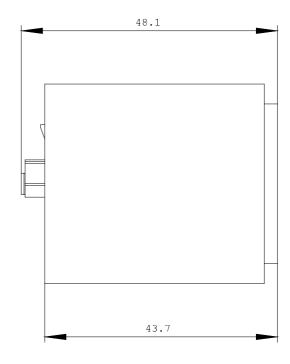
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

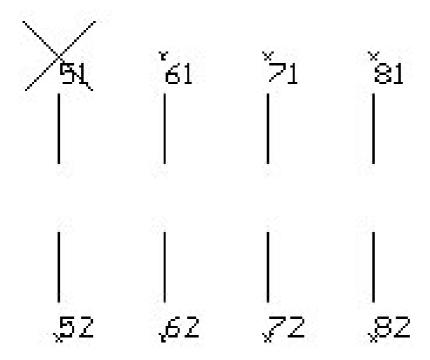
http://support.automation.siemens.com/WW/view/en/3RH2911-1GA04/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RH2911-1GA04







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