SIEMENS

Data sheet 3RH2916-1FA22



auxiliary switch, on the front, 2 NO + 2 NC, .3/.4, .1/.2, .1/.2, .3/.4, current path: 1 NO, 1 NC, 1 NO, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
number of NC contacts for auxiliary contacts	
• instantaneous contact	2
lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	2
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
• at 110 V rated value	4 A

# at 200 V rated value # at 900 V rated value # at 900 V rated value # at 24 V rated value # at 24 V rated value # at 200 V rated value #		
e at 800 V rated value	 at 220 V rated value 	2 A
operational current with 3 current paths in series at DC-12 • at 24 V rated value • at 110 V rated value • at 110 V rated value • at 440 V rated value • at 440 V rated value • at 460 V rated value • at 680	 at 440 V rated value 	1.3 A
# at 24 V rated value	at 600 V rated value	0.65 A
at 80 V rated value	operational current with 3 current paths in series at DC-12	
### ### ### ### ### ### ### ### ### ##	at 24 V rated value	10 A
at 220 V rated value 3.6 A 2.5 A 1.8 A 2.5 A 2.5 A 1.8 A 2.5 A	at 60 V rated value	10 A
e at 440 V rated value operational current with 2 current paths in series at DC-13 e at 24 V rated value at 260 V rated value at 200 V rated value at 200 V rated value at 200 V rated value at 24 V rated value at 24 V rated value at 260 V rated value at 260 V rated value at 27 V rated value at 28 V rated value at 290 V rated value at 200 V rated value borational current of auxiliary contacts at DC-13 at 200 V rated value borational current of auxiliary contacts at DC-13 at 200 V rated value at 200 V rated value borational current of auxiliary contacts at DC-13 at 200 V rated value correctional current of auxiliary contacts at DC-13 at 200 V at 100 V 22 at 200 V at 100 V 22 at 200 V at 100 V 22 at 200 V at 200 V 200 0.3A at 200 V 200	• at 110 V rated value	10 A
• at 600 V rated value operational current with 2 current paths in series at DC-13 • at 24 V rated value • at 60 V rated value • at 100 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 400 V rated value • at 400 V rated value • at 60 V rated value • at 100 V rated value •	at 220 V rated value	3.6 A
a t 24 V rated value	at 440 V rated value	2.5 A
a t 24 V rated value	at 600 V rated value	1.8 A
* at 24 V rated value		
at 160 V rated value	·	10 A
at 110 V rated value		
• at 220 V rated value • at 460 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 460 V rated value • at 220 V rated value • at 48 V • at 48 V • at 110 V • at 125 V • at 125 V • at 125 V • at 125 V • at 220 V • at 1250 V • contact reliability of auxiliary contacts Ambient conditions ambient temperature • during storage Safety rotated data product function • mirror contact according to IEC 60947-8-1 • positively driven operation according to IEC 60947-8-1 • p		
• at 440 V rated value • at 600 V rated value 0,1 A operational current with 3 current paths in series at DC-13 • at 24 V rated value 4,7 A 4,		
• at 600 V rated value operational current with 3 current paths in series at DC-13 • at 24 V rated value • at 110 V rated value • at 250 V rated value • at 440 V rated value • at 440 V rated value • at 460 V rated value • at 800 V rated value operational current of auxiliary contacts at DC-13 • at 24 V • at 18 V • at 18 V • at 110 V • at 110 V • at 110 V • at 115 V • at 125 V • at 120 V • at 120 V • ontact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage * Sefty related data product function • mirror contact according to IEC 60947-6-1 • positively driven operation according to IEC 60947-5-1 • positively driven o		
a 124 V rated value		
* at 24 V rated value		0.174
at 160 V rated value at 170 V rated value at 120 V rated value at 240 V rated value at 240 V rated value at 600 V at 48 V at 60 V at 110 V at 125 V	·	10 Δ
at 440 V rated value at 600 V rated value operational current of auxiliary contacts at DC-13 at 24 V at 48 V at 60 V at 60 V at 60 V at 110 V at 110 V at 125 V ot 20 V at 250 V		
at 600 V rated value		
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• at 24 V		0.26 A
	•	
• at 60 V • at 110 V • at 1125 V • at 1220 V • at 220 V • at 250 V 0.3 A contact reliability of auxiliary contacts ambient temperature • during operation • during storage • during storage -25 +60 °C • during storage -55 +80 °C Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 spositively driven operation according to IEC 60947-5-1 installation/ mounting/ dimensions fastening method height width 37.5 mm width 38 mm depth type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for faviliary contacts - solid or stranded - finely stranded with core end processing • for faviliary contacts - solid or stranded - finely stranded with core end processing • for faviliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for		
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AWG number as coded connectable conductor cross section for 20 14		
	·	
	auxiliary contacts	20 17
Approvals Certificates		

EMV

Test Certificates

Confirmation









Special Test Certific-<u>ate</u>

Marine / Shipping













Marine / Shipping

other



Miscellaneous

Confirmation



Further information

Siemens has decided to exit the Russian market (see here).

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2916-1FA22

Cax online generator

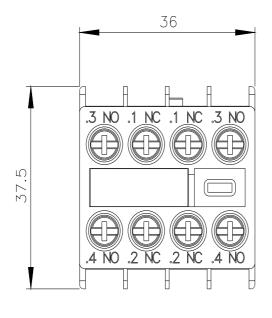
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2916-1FA22

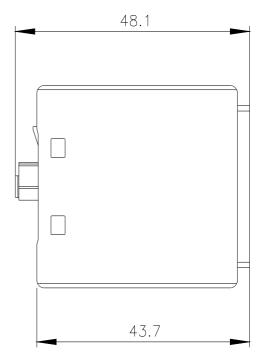
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RH2916-1FA22

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2916-1FA22&lang=en





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