SIEMENS

Data sheet

3RH1921-1CD10



front-side auxiliary switch, 1 NO, leading, screw terminal, for contactors 3RT1

product brand name	SIRIUS		
product category	Auxiliary switch		
product designation	auxiliary switch		
design of the product	for snapping onto the front		
product type designation	3RH19		
suitability for use	Contactor relay and power contactor		
General technical data			
size of contactor	S0		
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	10 000 000		
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000		
Substance Prohibitance (Date)	07/01/2006		
number of NC contacts for auxiliary contacts			
 instantaneous contact 	0		
number of NO contacts for auxiliary contacts			
 instantaneous 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 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 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 	10 A
 at 220 V rated value 	3.6 A
 at 440 V rated value 	2.5 A
• at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
 at 110 V rated value 	1.3 A
 at 220 V rated value 	0.9 A
• at 440 V rated value	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
 at 600 V rated value 	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT1
-	
positively driven operation according to IEC 60947-5-1	No
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	38 mm
width	10 mm
depth	51 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	screw-type terminals
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm ²
 finely stranded with core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section for auxiliary contacts	20 14
Approvals Certificates	

General Product Appr	oval				Functional Safety/Safety of Ma- chinery
S.		<u>Confirmation</u>	KC	EHC	Type Examination Cer- tificate
Declaration of Conform	nity	Test Certificates	Marine / Shipping		other
CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	ABS	DNV-GL	<u>Confirmation</u>
Railway					
Vibration and Shock	Special Test Certific- ate				
	to exit the Russian mar	ket (see here). e/siemens-wind-down-rus			

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)

all.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1CD10 https://r

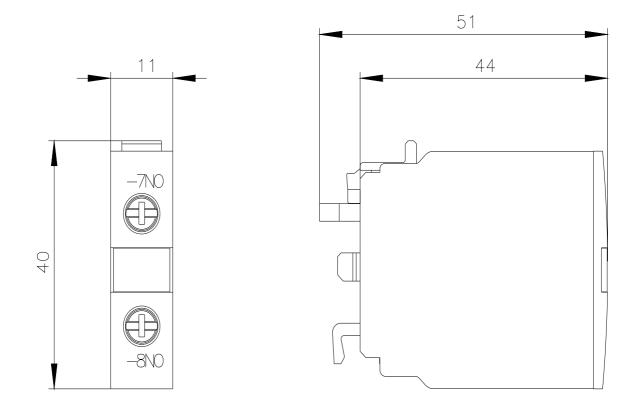
Cax online generator

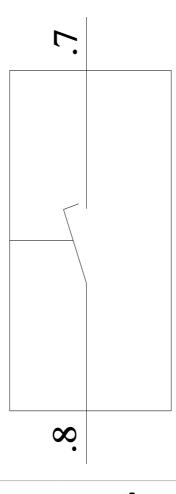
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1CD10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1CD10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1CD10&lang=en





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