

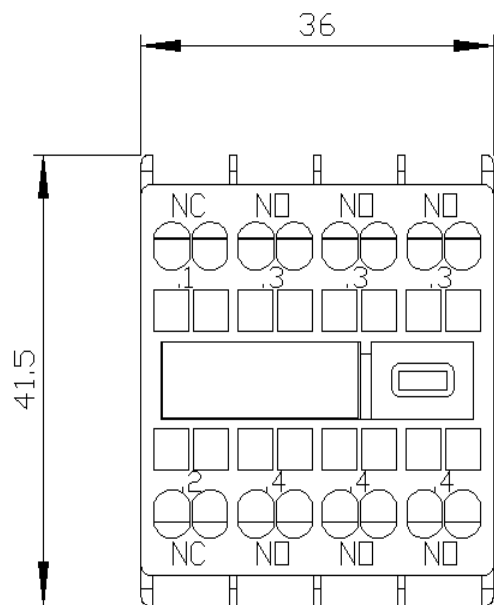


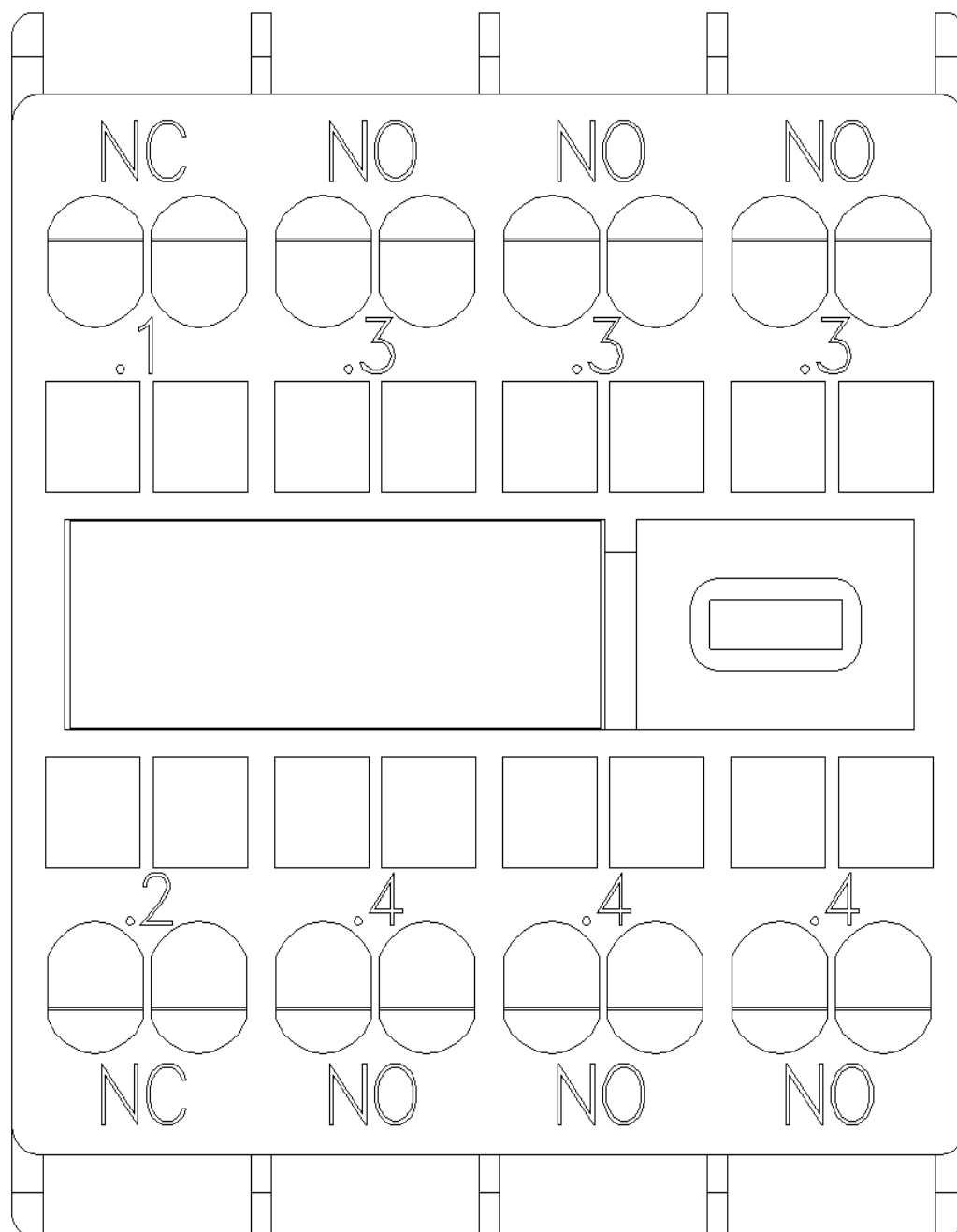
auxiliary switch, on the front, 3 NO + 1 NC, .1/.2, .3/.4, .3/.4, .3/.4, current path: 1 NC, 1 NO, 1 NO, 1 NO spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

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
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
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	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Net Weight	62 g
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	3
• 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	

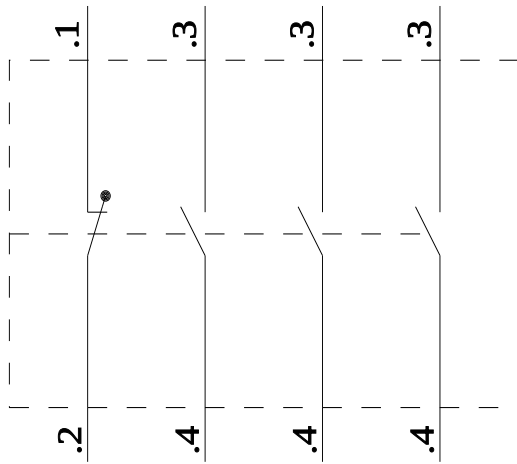
• at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value	10 A 10 A 4 A 2 A 1.3 A 0.65 A
operational current with 3 current paths in series at DC-12 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value	10 A 10 A 10 A 3.6 A 2.5 A 1.8 A
operational current with 2 current paths in series at DC-13 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value	10 A 3.5 A 1.3 A 0.9 A 0.2 A 0.1 A
operational current with 3 current paths in series at DC-13 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value	10 A 4.7 A 3 A 1.2 A 0.5 A 0.26 A
operational current of auxiliary contacts at DC-13 • at 24 V • at 48 V • at 60 V • at 110 V • at 125 V • at 220 V • at 250 V	6 A 2 A 2 A 1 A 0.9 A 0.3 A 0.3 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature • during operation • during storage	-25 ... +60 °C -55 ... +80 °C
Environmental footprint	
Environmental Product Declaration (EPD)	Yes
global warming potential [CO ₂ eq] total	0.92 kg
global warming potential [CO ₂ eq] during manufacturing	0.34 kg
global warming potential [CO ₂ eq] during operation	0.562 kg
global warming potential [CO ₂ eq] after end of life	0.017 kg
Safety related data	
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1	Yes; with 3RT2 Yes
Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link for short-circuit protection of the auxiliary switch required	gG: 10 A (690 V, 1 kA)
Installation/ mounting/ dimensions	
fastening method	snap-on mounting

height	41.5 mm				
width	36 mm				
depth	47.7 mm				
Connections/ Terminals					
type of electrical connection for auxiliary and control circuit	spring-loaded 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 mm ²				
• finely stranded without core end processing	0.5 ... 2.5 mm ²				
type of connectable conductor cross-sections					
• for auxiliary contacts					
— solid or stranded	2x (0.5 ... 2.5 mm ²)				
— finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)				
— finely stranded without core end processing	2x (0.5 ... 2.5 mm ²)				
• for AWG cables for auxiliary contacts	2x (20 ... 14)				
AWG number as coded connectable conductor cross section for auxiliary contacts	20 ... 14				
Approvals Certificates					
General Product Approval					
 CCC  EG-Konf.   UL KC 					
EMV	Functional Safety	Test Certificates	Maritime application		
 RCM	Type Examination Certificate	Type Test Certificates/Test Report	Special Test Certificate	 ABS  BUREAU VERITAS	
Maritime application				other	
 DNV	 LRS	 PRS	 RINA	 RMRS	Confirmation
other	Railway		Environment		
Miscellaneous			Special Test Certificate		
Further information					
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875					
Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012					
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=3RH2911-2HA31					
Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA31					
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA31					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA31&lang=en					

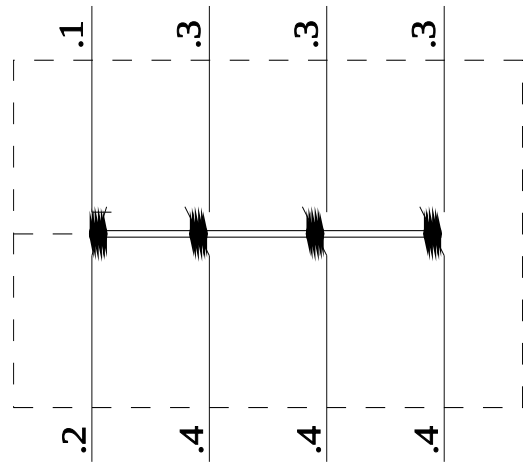




3RT2



3RH2



last modified:

9/8/2025 