

Data sheet

3RH1921-1KA20

Auxiliary switch block, 2 NO, EN 50005 on the side, 10 mm, screw terminal, Size S3 ... S12 for motor contactors, 2-pole, 2nd lateral auxiliary switch

General technical data	
Product brand name	SIRIUS
Suitability for use	Contact relay and power contactor
Protection class IP on the front	IP20
Ambient temperature	
• during storage	-55 ... +80 °C
• during operation	-25 ... +60 °C
Mechanical service life (switching cycles) typical	10 000 000
Electrical endurance (switching cycles) 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 auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 rated value	500 V
Surge voltage resistance rated value	6 kV
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
• instantaneous contact	0
Number of NO contacts for auxiliary contacts	
• instantaneous contact	2
Operating current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
Operating current	
• of auxiliary contacts	
— at AC-14	
— at 125 V	6 A
— at 250 V	6 A
— at AC-15	
— at 24 V	6 A
— at 230 V	6 A
— at 400 V	3 A
Operating current	

- of auxiliary contacts at DC-12
 - at 24 V 10 A
 - at 110 V 3 A
 - at 220 V 1 A
- 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
- 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

Operating current

- of auxiliary contacts at DC-13
 - at 24 V 6 A
 - at 60 V 2 A
 - at 110 V 1 A
 - at 220 V 0.3 A
- 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
- 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

Installation/ mounting/ dimensions

Mounting type	snap-on mounting
Width	10 mm
Height	80 mm
Depth	71 mm

Connections/Terminals






Type of electrical connection for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — finely stranded — with core end processing • at AWG conductors for auxiliary contacts 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14)

Safety related data

Product function Mirror contact acc. to IEC 60947-4-1 <ul style="list-style-type: none"> • Note 	Yes with 3RT1
Product function positively driven operation acc. to IEC 60947-5-1	No

Certificates/approvals

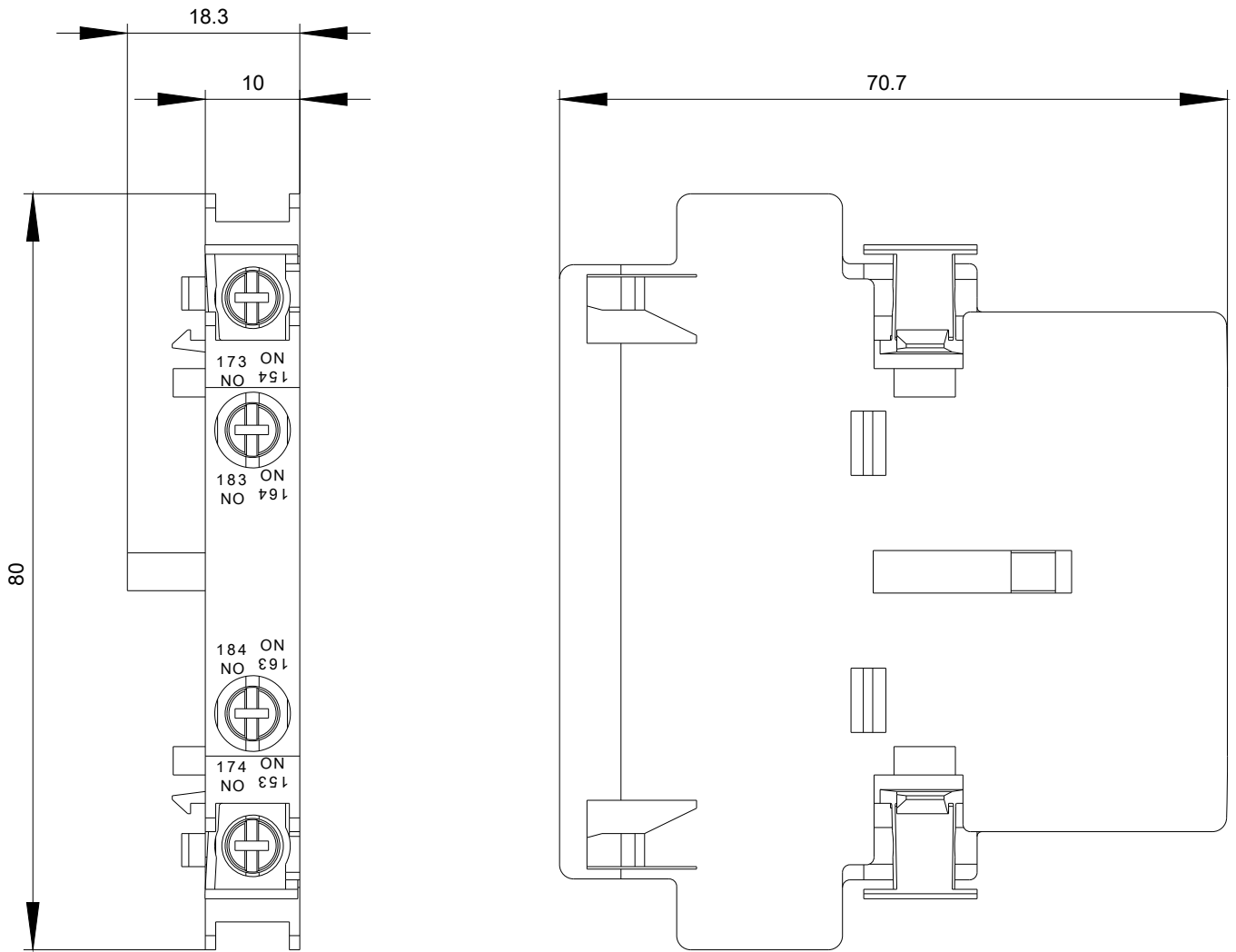
General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC  CSA  UL  EAC	Type Examination	 EG-Konf.

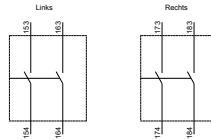
Test Certificates	Shipping Approval
Special Test Certificate  ABS  BUREAU VERITAS  LRS  RINA  RMRS	

other	Railway
Confirmation	Vibration and Shock

Further information

- Information- and Downloadcenter (Catalogs, Brochures,...)**
<http://www.siemens.com/industrial-controls/catalogs>
- Industry Mall (Online ordering system)**
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1KA20>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1KA20>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1KA20>





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