SIEMENS

Data sheet

3RH1921-1EA11



first lateral auxiliary switch 1 NO, 1 NC, screw terminal, for contactors 3RT1

| product brand name | SIRIUS |
|----------------------------------------------------------------------|-------------------------------------|
| product category | Auxiliary switch |
| product designation | auxiliary switch |
| design of the product | first laterally mountable |
| 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 | 500 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 | 1 |
| number of NO contacts for auxiliary contacts | |
| instantaneous contact | 1 |
| number of CO contacts of auxiliary contacts instantaneous contact | 0 |
| 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 | |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------|
| 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 | |
| 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 | |
| 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 | |
| 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 | 1 A | |
| • 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 | 80 mm | |
| width | 10 mm | |
| depth | 71 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 mm ²), 2x (0.75 2.5 mm ²) | |
| 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 | | |
| | | Functional |
| General Product Approval | | Safety/Safety of Ma- chinery |

| SP ST | <u>Confirmation</u> | | <u>KC</u> | EHC | <u>Type Examination Cer-</u> <u>tificate</u> |
|---------------------------|---------------------|-----------------------------------------|---------------------------------------------|---------------------------------------------|-------------------------------------------------|
| Declaration of Conform | ity | Test Certificates | | Marine / Shipping | |
| CE EG-Konf. | UK CA | Type Test Certific- ates/Test Report | <u>Special Test Certific-</u> <u>ate</u> | ABS | BUREAU VERITAS |
| Marine / Shipping | | | other | Railway | |
| Lloyd's Register us | RINA | ENVILLEMENT | <u>Confirmation</u> | <u>Special Test Certific-</u> <u>ate</u> | <u>Vibration and Shock</u> |

Further information

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

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

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

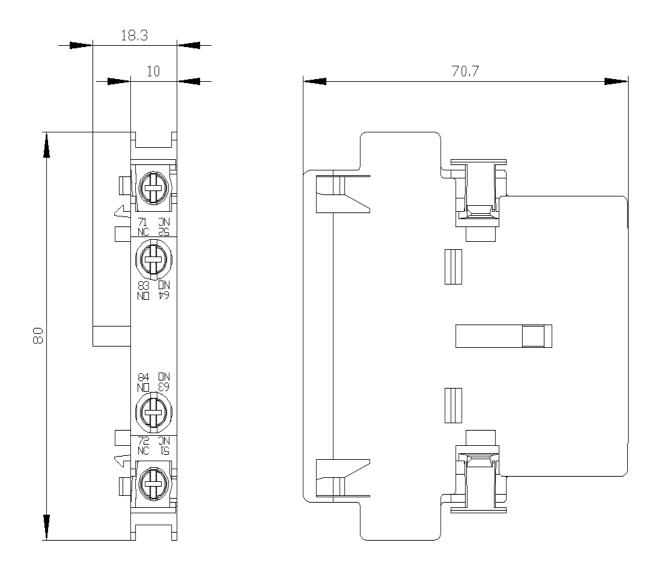
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1EA11

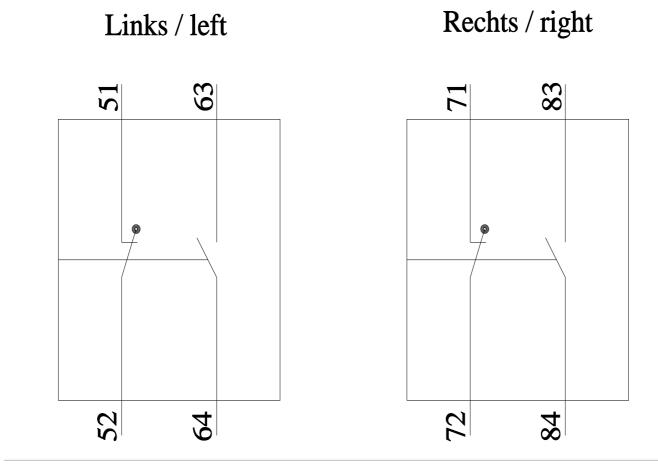
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1EA11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1EA11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1EA11&lang=en





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