



solid-state time-delayed front-side auxiliary switch Time range 5...100 s, 24 V AC/DC, 1 NO contact, 1 NC contact OFF delay, without control signal for 3RT1

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| product brand name | SIRIUS |
| product designation | auxiliary switch |
| design of the product | With OFF-delay |
| product type designation | 3RT19 |
| General technical data | |
| size of contactor can be combined company-specific | S0 ... S12 |
| product component semi-conductor output | No |
| product extension required remote control | No |
| product extension optional remote control | No |
| insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value | 300 V |
| degree of pollution | 3 |
| surge voltage resistance rated value | 4 000 V |
| shock resistance according to IEC 60068-2-27 | 11g / 15 ms |
| vibration resistance according to IEC 60068-2-6 | 10 ... 55 Hz: 0.35 mm |
| mechanical service life (operating cycles) typical | 10 000 000 |
| electrical endurance (operating cycles) at AC-15 at 230 V typical | 100 000 |
| adjustable time | 5 ... 100 s |
| relative setting accuracy relating to full-scale value | 15 % |
| minimum ON period | 200 ms |
| recovery time | 150 ms |
| reference code according to IEC 81346-2 | K |
| relative repeat accuracy | 1 % |
| Substance Prohibitance (Date) | 07/01/2006 |
| Product Function | |
| product function star-delta circuit | No |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC/DC |
| control supply voltage 1 at AC | |
| • at 50 Hz rated value | 24 V |
| • at 60 Hz rated value | 24 V |
| control supply voltage frequency 1 | 50 ... 60 Hz |
| control supply voltage 1 | |
| • at DC rated value | 24 V |
| operating range factor control supply voltage rated value at DC | |
| • initial value | 0.85 |
| • full-scale value | 1.1 |
| operating range factor control supply voltage rated value at AC at 50 Hz | |
| • initial value | 0.85 |

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| <ul style="list-style-type: none"> • full-scale value | 1.1 |
| operating range factor control supply voltage rated value at AC at 60 Hz | |
| <ul style="list-style-type: none"> • initial value | 0.85 |
| <ul style="list-style-type: none"> • full-scale value | 1.1 |
| Switching Function | |
| switching function | |
| <ul style="list-style-type: none"> • ON-delay | No |
| <ul style="list-style-type: none"> • ON-delay/instantaneous contact | No |
| <ul style="list-style-type: none"> • passing make contact | No |
| <ul style="list-style-type: none"> • passing make contact/instantaneous contact | No |
| <ul style="list-style-type: none"> • OFF delay | Yes |
| switching function | |
| <ul style="list-style-type: none"> • flashing symmetrically with interval start/instantaneous | No |
| <ul style="list-style-type: none"> • flashing symmetrically with interval start | No |
| <ul style="list-style-type: none"> • flashing symmetrically with pulse start/instantaneous | No |
| <ul style="list-style-type: none"> • flashing symmetrically with pulse start | No |
| <ul style="list-style-type: none"> • flashing asymmetrically with interval start | No |
| <ul style="list-style-type: none"> • flashing asymmetrically with pulse start | No |
| switching function | |
| <ul style="list-style-type: none"> • constant clock cycle with pulse start | No |
| <ul style="list-style-type: none"> • constant clock cycle with interval start | No |
| switching function | |
| <ul style="list-style-type: none"> • variably clocked with pulse start | No |
| <ul style="list-style-type: none"> • variably clocked with interval start | No |
| switching function | |
| <ul style="list-style-type: none"> • star-delta circuit with delay time | No |
| <ul style="list-style-type: none"> • star-delta circuit | No |
| switching function with control signal | |
| <ul style="list-style-type: none"> • additive ON-delay | No |
| <ul style="list-style-type: none"> • passing break contact | No |
| <ul style="list-style-type: none"> • passing break contact/instantaneous | No |
| <ul style="list-style-type: none"> • OFF delay | No |
| <ul style="list-style-type: none"> • OFF delay/instantaneous | No |
| <ul style="list-style-type: none"> • pulse delayed | No |
| <ul style="list-style-type: none"> • pulse delayed/instantaneous | No |
| <ul style="list-style-type: none"> • pulse-shaping | No |
| <ul style="list-style-type: none"> • pulse-shaping/instantaneous | No |
| <ul style="list-style-type: none"> • additive ON-delay/instantaneous | No |
| <ul style="list-style-type: none"> • ON-delay/OFF-delay | No |
| <ul style="list-style-type: none"> • ON-delay/OFF-delay/instantaneous | No |
| <ul style="list-style-type: none"> • passing make contact | No |
| <ul style="list-style-type: none"> • passing make contact/instantaneous contact | No |
| switching function of interval relay with control signal | |
| <ul style="list-style-type: none"> • retrotriggerable with deactivated control signal/instantaneous contact | No |
| <ul style="list-style-type: none"> • retrotriggerable with switched-on control signal | No |
| <ul style="list-style-type: none"> • retrotriggerable with switched-on control signal/instantaneous contact | No |
| <ul style="list-style-type: none"> • retriggerable with deactivated control signal | No |
| design of the control terminal non-floating | No |
| Short-circuit protection | |
| design of the fuse link for short-circuit protection of the auxiliary switch required | fuse gL/gG: 4 A |
| Auxiliary circuit | |
| number of NC contacts | |
| <ul style="list-style-type: none"> • delayed switching | 1 |
| <ul style="list-style-type: none"> • instantaneous contact | 0 |
| number of NO contacts | |
| <ul style="list-style-type: none"> • delayed switching | 1 |
| <ul style="list-style-type: none"> • instantaneous contact | 0 |
| number of CO contacts | |

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| <ul style="list-style-type: none"> • delayed switching • instantaneous contact | 0 |
| operational current of auxiliary contacts at AC-15 | 0 |
| <ul style="list-style-type: none"> • maximum | 3 A |
| operational current of auxiliary contacts as NC contact at AC-15 | |
| <ul style="list-style-type: none"> • at 24 V • at 250 V | 3 A 3 A |
| operational current of auxiliary contacts as NO contact at AC-15 | |
| <ul style="list-style-type: none"> • at 24 V • at 250 V | 3 A 3 A |
| operational current of auxiliary contacts at DC-13 | |
| <ul style="list-style-type: none"> • at 24 V • at 125 V • at 250 V | 1 A 0.2 A 0.1 A |
| Inputs/ Outputs | |
| product function | |
| <ul style="list-style-type: none"> • at the relay outputs switchover delayed/without delay • non-volatile | No No |
| Electromagnetic compatibility | |
| EMC immunity according to IEC 61812-1 | EN 61000-6-2 |
| conducted interference | |
| <ul style="list-style-type: none"> • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 | 2 kV network connection / 1 kV control connection 2 kV 1 kV |
| field-based interference according to IEC 61000-4-3 | 10 V/m |
| electrostatic discharge according to IEC 61000-4-2 | 4 kV contact discharge / 8 kV air discharge |
| Safety related data | |
| protection class IP on the front according to IEC 60529 | IP20 |
| type of insulation | Basic insulation |
| category according to EN 954-1 | none |
| Connections/ Terminals | |
| product component removable terminal for auxiliary and control circuit | No |
| type of electrical connection for auxiliary and control circuit | screw-type terminals |
| type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded | 1x (0.5 ... 4.0 mm ²), 2x (0.5 ... 2.5 mm ²) 1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²) 2x (20 ... 14) 2x (20 ... 14) |
| connectable conductor cross-section | |
| <ul style="list-style-type: none"> • solid • finely stranded with core end processing | 0.5 ... 4 m ² 0.5 ... 2.5 m ² |
| AWG number as coded connectable conductor cross section | |
| <ul style="list-style-type: none"> • solid • stranded | 18 ... 14 18 ... 14 |
| Installation/ mounting/ dimensions | |
| mounting position | any |
| fastening method | clip-on |
| height | 46 mm |
| width | 33 mm |
| depth | 73 mm |
| required spacing | |
| <ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — forwards — backwards — upwards — downwards | 0 m 0 m 0 m 0 m |

- at the side 0 m
- for grounded parts
 - forwards 0 m
 - backwards 0 m
 - upwards 0 m
 - at the side 0 m
 - downwards 0 m
- for live parts
 - forwards 0 m
 - backwards 0 m
 - upwards 0 m
 - downwards 0 m
 - at the side 0 m

Ambient conditions

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|---|----------------|
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| • during operation | -25 ... +60 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °C |
| relative humidity during operation | 15 ... 95 % |

Certificates/ approvals

General Product Approval

EMC



[Confirmation](#)



Declaration of Conformity

Test Certificates

Marine / Shipping



EG-Konf.

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

Railway



[Confirmation](#)

[Miscellaneous](#)

[Special Test Certificate](#)

Further information

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=3RT1926-2FJ31>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2FJ31>

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

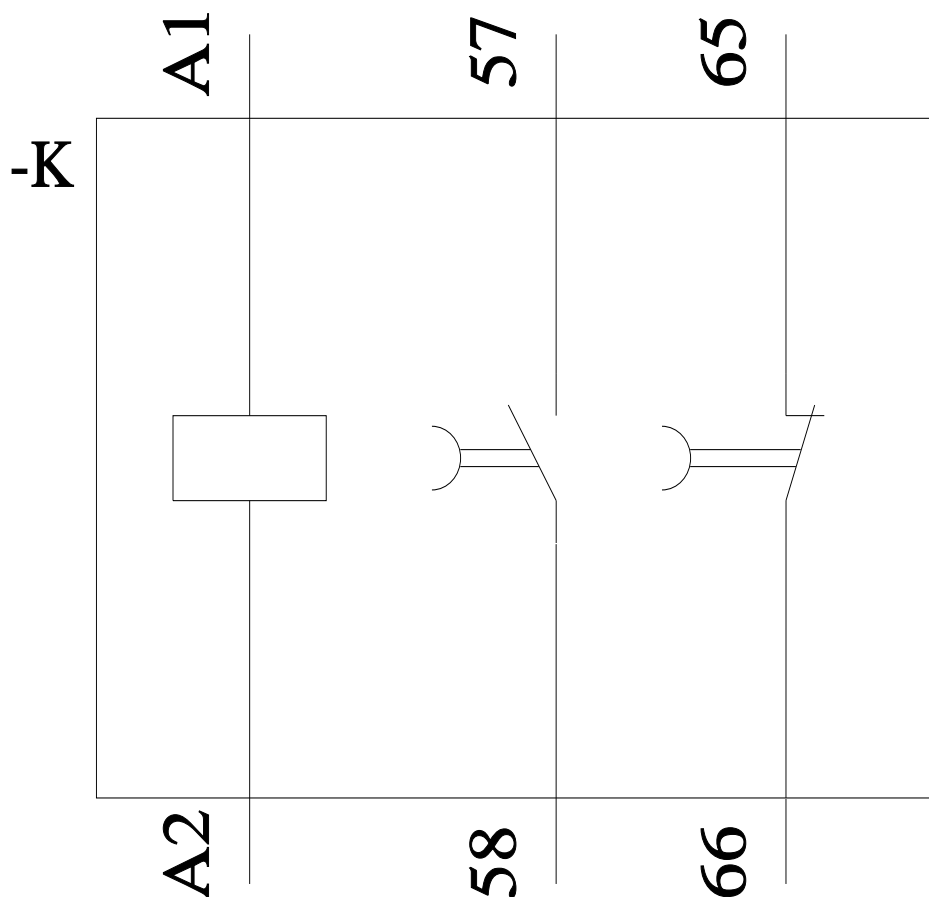
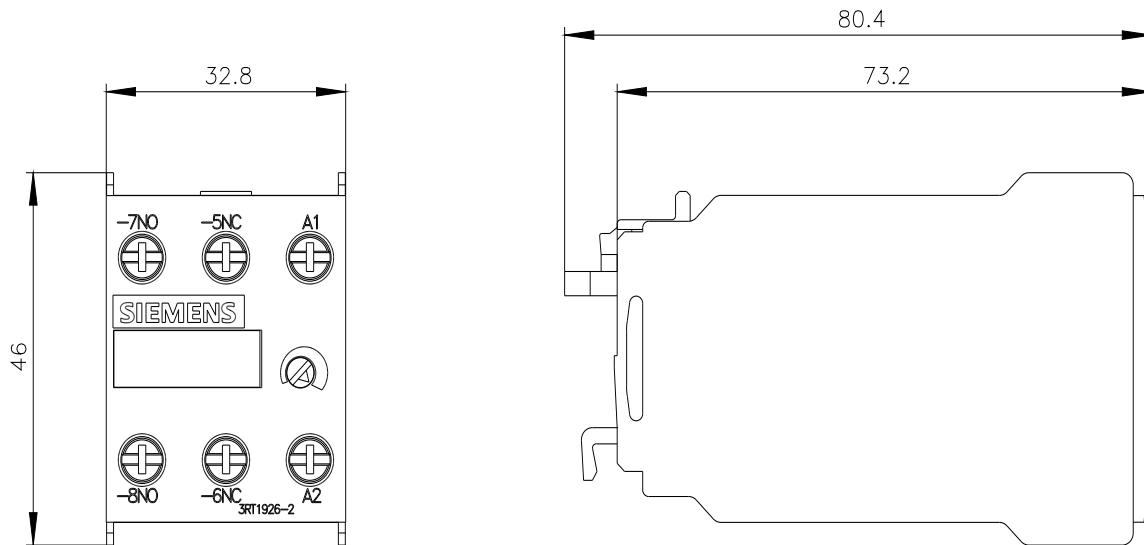
<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2FJ31>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2FJ31&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2FJ31/manual>



last modified:

12/19/2020 [↗](#)

