



solid-state time-delayed front-side auxiliary switch Time range 0.5...10 s, 24 V AC/DC, 1 NO contact, 1 NC contact ON delay, for 3RT1

product brand name	SIRIUS
product designation	auxiliary switch
design of the product	slow-operating
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 (switching cycles) typical	10 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	50 000
adjustable time	0.5 ... 10 s
relative setting accuracy relating to full-scale value	15 %
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
• full-scale value	1.1

operating range factor control supply voltage rated value at AC at 60 Hz

- initial value 0.85
- full-scale value 1.1

Switching Function**switching function**

- ON-delay Yes
- ON-delay/instantaneous contact No
- passing make contact No
- passing make contact/instantaneous contact No
- OFF delay No

switching function

- flashing symmetrically with interval start/instantaneous No
- flashing symmetrically with interval start No
- flashing symmetrically with pulse start/instantaneous No
- flashing symmetrically with pulse start No
- flashing asymmetrically with interval start No
- flashing asymmetrically with pulse start No

switching function

- constant clock cycle with pulse start No
- constant clock cycle with interval start No

switching function

- variably clocked with pulse start No
- variably clocked with interval start No

switching function

- star-delta circuit with delay time No
- star-delta circuit No

switching function with control signal

- additive ON-delay No
- passing break contact No
- passing break contact/instantaneous No
- OFF delay No
- OFF delay/instantaneous No
- pulse delayed No
- pulse delayed/instantaneous No
- pulse-shaping No
- pulse-shaping/instantaneous No
- additive ON-delay/instantaneous No
- ON-delay/OFF-delay No
- ON-delay/OFF-delay/instantaneous No
- passing make contact No
- passing make contact/instantaneous contact No

switching function of interval relay with control signal

- retrotriggerable with deactivated control signal/instantaneous contact No
- retrotriggerable with switched-on control signal No
- retrotriggerable with switched-on control signal/instantaneous contact No
- 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**

- delayed switching 1
- instantaneous contact 0

number of NO contacts

- delayed switching 1
- instantaneous contact 0

number of CO contacts

- delayed switching 0

<ul style="list-style-type: none"> instantaneous contact 	0
operational current of auxiliary contacts at AC-15	
<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 	3 A
<ul style="list-style-type: none"> at 250 V 	3 A
operational current of auxiliary contacts as NO contact at AC-15	
<ul style="list-style-type: none"> at 24 V 	3 A
<ul style="list-style-type: none"> at 250 V 	3 A
operational current of auxiliary contacts at DC-13	
<ul style="list-style-type: none"> at 24 V 	1 A
<ul style="list-style-type: none"> at 125 V 	0.2 A
<ul style="list-style-type: none"> at 250 V 	0.1 A
Inputs/ Outputs	
product function	
<ul style="list-style-type: none"> at the relay outputs switchover delayed/without delay 	No
<ul style="list-style-type: none"> non-volatile 	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 	2 kV network connection / 1 kV control connection
<ul style="list-style-type: none"> due to conductor-earth surge according to IEC 61000-4-5 	2 kV
<ul style="list-style-type: none"> due to conductor-conductor surge according to IEC 61000-4-5 	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 	1x (0.5 ... 4.0 mm ²), 2x (0.5 ... 2.5 mm ²)
<ul style="list-style-type: none"> finely stranded with core end processing 	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)
<ul style="list-style-type: none"> at AWG cables solid 	2x (20 ... 14)
<ul style="list-style-type: none"> at AWG cables stranded 	2x (20 ... 14)
connectable conductor cross-section	
<ul style="list-style-type: none"> solid 	0.5 ... 4 m ²
<ul style="list-style-type: none"> finely stranded with core end processing 	0.5 ... 2.5 m ²
AWG number as coded connectable conductor cross section	
<ul style="list-style-type: none"> solid 	18 ... 14
<ul style="list-style-type: none"> stranded 	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 at the side 	0 m 0 m 0 m 0 m 0 m

- for grounded parts

- forwards
- backwards
- upwards
- at the side
- downwards

0 m
0 m
0 m
0 m
0 m

- for live parts

- forwards
- backwards
- upwards
- downwards
- at the side

0 m
0 m
0 m
0 m
0 m

Ambient conditions

installation altitude at height above sea level maximum

2 000 m

ambient temperature

- during operation
- during storage
- during transport

-25 ... +60 °C
-40 ... +85 °C
-40 ... +85 °C

relative humidity during operation

15 ... 95 %

Certificates/ approvals

General Product Approval

EMC



[Confirmation](#)



Declaration of Conformity

Test Certificates

Marine / Shipping



[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=3RT1926-2EJ21>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2EJ21>

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

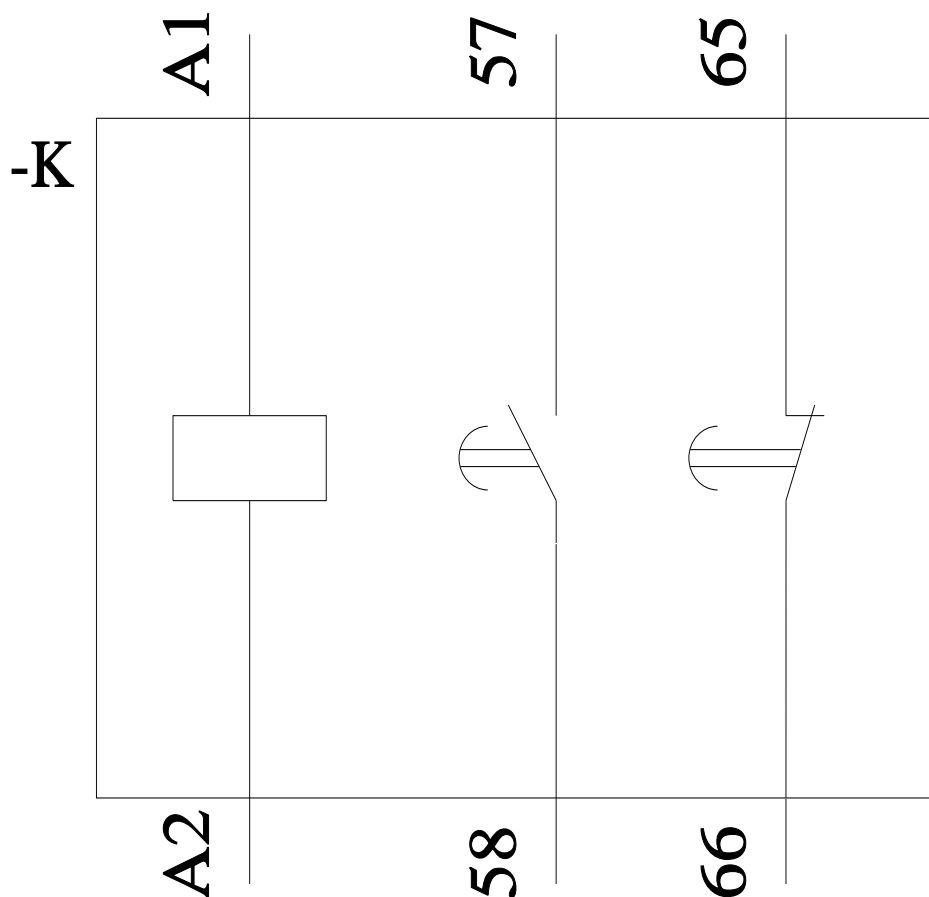
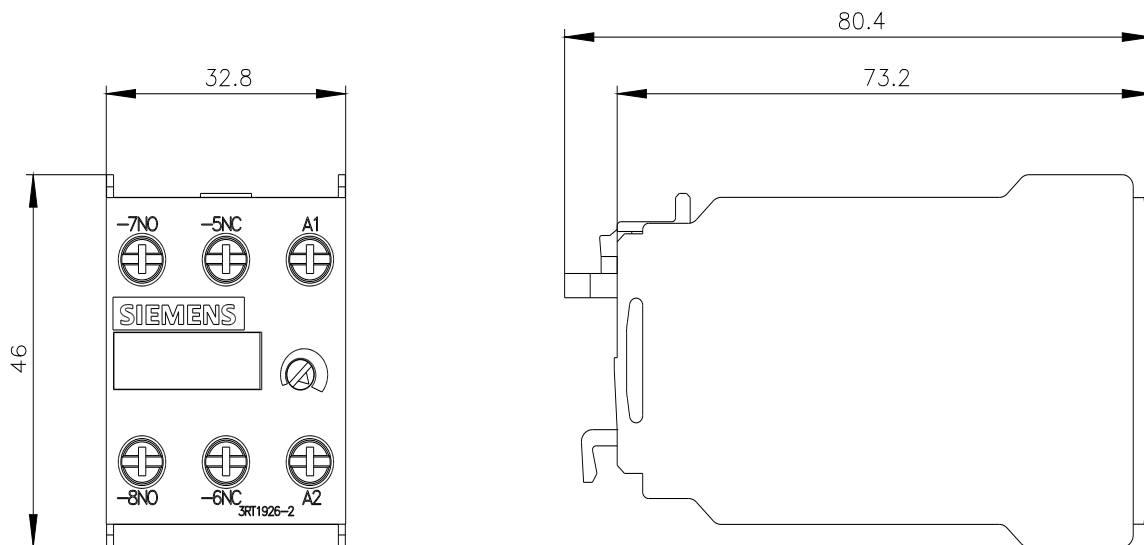
<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2EJ21>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2EJ21&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2EJ21/manual>



last modified:

12/19/2020

