



solid-state time-delayed front-side auxiliary switch Time range 0.5...10 s, 100 ... 127 V AC, 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 (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
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
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### Control circuit/ Control

type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	
• at 50 Hz	100 ... 127 V
• at 60 Hz	100 ... 127 V
control supply voltage frequency 1	50 ... 60 Hz
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	
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• ON-delay	Yes
• ON-delay/instantaneous contact	No
• passing make contact	No
• passing make contact/instantaneous contact	No
• OFF delay	No
<b>switching function</b>	
• 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
<b>switching function</b>	
• constant clock cycle with pulse start	No
• constant clock cycle with interval start	No
<b>switching function</b>	
• variably clocked with pulse start	No
• variably clocked with interval start	No
<b>switching function</b>	
• star-delta circuit with delay time	No
• star-delta circuit	No
<b>switching function with control signal</b>	
• 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
<b>switching function of interval relay with control signal</b>	
• 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
<b>design of the control terminal non-floating</b>	No

### Short-circuit protection

design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
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### Auxiliary circuit

<b>number of NC contacts</b>	
• delayed switching	1
• instantaneous contact	0
<b>number of NO contacts</b>	
• delayed switching	1
• instantaneous contact	0
<b>number of CO contacts</b>	
• delayed switching	0
• instantaneous contact	0
<b>operational current of auxiliary contacts at AC-15</b>	
• maximum	3 A
<b>operational current of auxiliary contacts as NC contact at AC-15</b>	
• at 24 V	3 A
• at 250 V	3 A

<b>operational current of auxiliary contacts as NO contact at AC-15</b>	
• at 24 V	3 A
• at 250 V	3 A
<b>operational current of auxiliary contacts at DC-13</b>	
• at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A

#### Inputs/ Outputs

<b>product function</b>	
• at the relay outputs switchover delayed/without delay	No
• non-volatile	No

#### Electromagnetic compatibility

EMC immunity according to IEC 61812-1	EN 61000-6-2
<b>conducted interference</b>	
• due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
• due to conductor-earth surge according to IEC 61000-4-5	2 kV
• due to conductor-conductor surge according to IEC 61000-4-5	1 kV
<b>field-based interference according to IEC 61000-4-3</b>	10 V/m
<b>electrostatic discharge according to IEC 61000-4-2</b>	4 kV contact discharge / 8 kV air discharge

#### Safety related data

<b>protection class IP on the front according to IEC 60529</b>	IP20
<b>type of insulation category according to EN 954-1</b>	Basic insulation none

#### Connections/ Terminals

<b>product component removable terminal for auxiliary and control circuit</b>	No
type of electrical connection for auxiliary and control circuit	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
• solid	1x (0.5 ... 4.0 mm <sup>2</sup> ), 2x (0.5 ... 2.5 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• at AWG cables solid	2x (20 ... 14)
• at AWG cables stranded	2x (20 ... 14)
<b>connectable conductor cross-section</b>	
• solid	0.5 ... 4 m <sup>2</sup>
• finely stranded with core end processing	0.5 ... 2.5 m <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b>	
• solid	18 ... 14
• stranded	18 ... 14

#### Installation/ mounting/ dimensions

<b>mounting position</b>	any
<b>fastening method</b>	clip-on
<b>height</b>	46 mm
<b>width</b>	33 mm
<b>depth</b>	73 mm
<b>required spacing</b>	
• with side-by-side mounting	
— forwards	0 m
— backwards	0 m
— upwards	0 m
— downwards	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

installation altitude at height above sea level maximum	2 000 m
<b>ambient temperature</b>	
• 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



[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=3RT1926-2EC21>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2EC21>

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

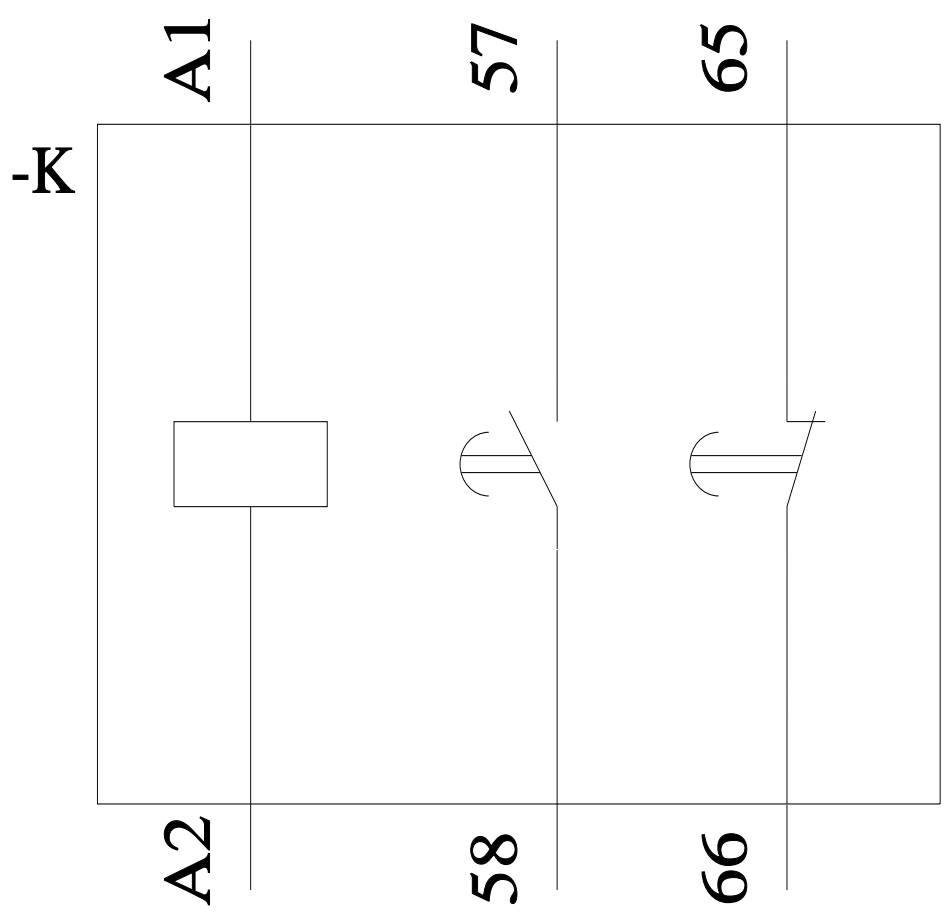
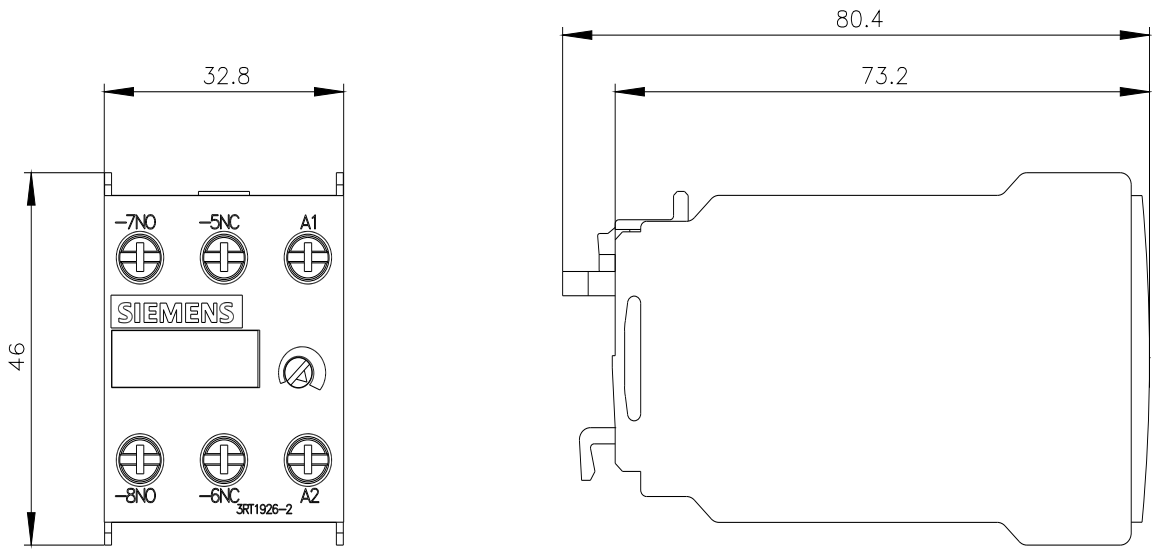
<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2EC21>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT1926-2EC21&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2EC21&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2EC21/manual>



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