



Solid-state time-delayed auxiliary switch, can be snapped on at the front, time range 1.5...30s, 200 ... 240 V AC, 2 NO, star-delta (wye-delta) function, sizes S6...S12

product brand name	SIRIUS
product designation	auxiliary switch
design of the product	Star-delta (wye-delta) function
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	100 000
adjustable time	1.5 ... 30 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	Yes
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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	200 ... 240 V
• at 60 Hz	200 ... 240 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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<ul style="list-style-type: none"> • ON-delay • ON-delay/instantaneous contact • passing make contact • passing make contact/instantaneous contact • OFF delay 	No
	No
	No
	No
	No
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 	Yes
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 	0
<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 	1
number of CO contacts	
<ul style="list-style-type: none"> • 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

- at 24 V
- at 250 V

3 A
3 A

operational current of auxiliary contacts at DC-13

- at 24 V
- at 125 V
- at 250 V

1 A
0.2 A
0.1 A

Inputs/ Outputs**product function**

- 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

- 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

- solid
- finely stranded with core end processing
- at AWG cables solid
- at AWG cables stranded

1x (0.5 ... 4.0 mm²), 2x (0.5 ... 2.5 mm²)
1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)
2x (20 ... 14)
2x (20 ... 14)

connectable conductor cross-section

- solid
- finely stranded with core end processing

0.5 ... 4 m²
0.5 ... 2.5 m²

AWG number as coded connectable conductor cross section

- 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

- with side-by-side mounting
 - forwards
 - backwards
 - upwards
 - downwards
 - at the side
- for grounded parts
 - forwards
 - backwards
 - upwards
 - at the side
 - downwards
- for live parts

0 m
0 m
0 m
0 m
0 m
0 m
0 m
0 m
0 m
0 m

— 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
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



[Special Test Certificate](#)



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=3RT1926-2GD51>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2GD51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2GD51>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2GD51&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2GD51/manual>

