

solid-state time-delayed front-side auxiliary switch Time range
0.5...10 s, 200 ... 240 V AC / DC, 1 NO contact, 1 NC contact OFF
delay, without control signal for 3RT1



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
Degree of pollution	3
Surge voltage resistance rated value	4 000 V
Protection class IP	
• of the terminal	IP20
Shock resistance	
• acc. to IEC 60068-2-27	11g / 15 ms
Mechanical service life (switching cycles)	
• typical	10 000 000
Electrical endurance (switching 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 %
Minimum ON period	200 ms
Recovery time	150 ms
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K
Reference code acc. to DIN EN 81346-2	K
Reference code acc. to DIN EN 61346-2	K
Relative repeat accuracy	1 %

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	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 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	No
• ON-delay/instantaneous contact	No
• passing make contact	No
• passing make contact/instantaneous contact	No
• OFF delay	Yes
Switching function	
• flashing symmetrically starting with interval/instantaneous	No
• flashing symmetrically starting with interval	No

• flashing symmetrically starting with pulse/instantaneous	No
• flashing symmetrically starting with pulse	No
• flashing asymmetrically starting with interval	No
• flashing asymmetrically starting with pulse	No
Switching function	
• fixed clock cycle beginning with pulse	No
• fixed clock cycle beginning with interval	No
Switching function	
• variably clocked start with impulse	No
• variably clocked start with interval	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 activated control signal	No
• retrotriggerable with activated 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
• instantaneous contact	0
Operating current of auxiliary contacts at AC-15	
• maximum	3 A
Operating current of auxiliary contacts as NC contact at AC-15	
• at 24 V	3 A
• at 250 V	3 A
Operating current of auxiliary contacts as NO contact at AC-15	
• at 24 V	3 A
• at 250 V	3 A
Operating current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A
Inputs/ Outputs	
Product function	
• at the relay outputs Switchover delayed/without delay	No
• non-volatile	No
Electromagnetic compatibility	
EMI immunity	
• acc. to IEC 61812-1	EN 61000-6-2
Conducted interference	
• due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
• due to conductor-earth surge acc. to IEC 61000-4-5	2 kV
• due to conductor-conductor surge acc. to IEC 61000-4-5	1 kV
Field-bound parasitic coupling acc. to IEC 61000-4-3	10 V/m
Electrostatic discharge acc. to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Safety related data	
Protection against electrical shock	finger-safe

Type of insulation	Basic insulation
Category acc. to EN 954-1	none
Connections/Terminals	
Product function removable terminal for auxiliary and control circuit	No
Type of electrical connection for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections - solid - finely stranded with core end processing - at AWG conductors solid - at AWG conductors 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 - solid - finely stranded with core end processing	0.5 ... 4 mm ² 0.5 ... 2.5 mm ²
AWG number as coded connectable conductor cross section - solid - stranded	18 ... 14 18 ... 14
Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	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 - forwards	0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 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
Relative humidity	
• during operation	15 ... 95 %

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 UL	 EG-Konf.
 CSA	 EAC	Type Examination Certificate

Declaration of Conformity	Test Certificates	Marine / Shipping
Miscellaneous	Special Test Certificate	Type Test Certificates/Test Report
		 ABS  PRS  RINA

Marine / Shipping	other	Railway
 RMRS	 DNV-GL DNVGL.COM/AF	Confirmation
		Miscellaneous
		Special Test Certificate

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1926-2FL21>

Cax online generator

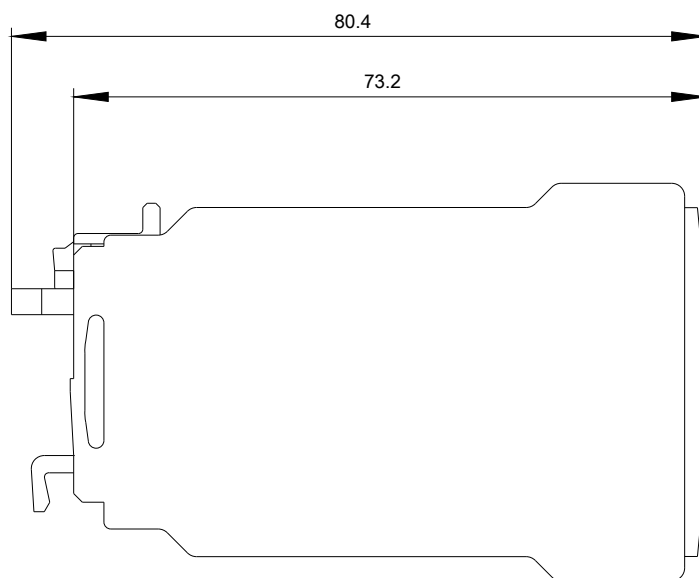
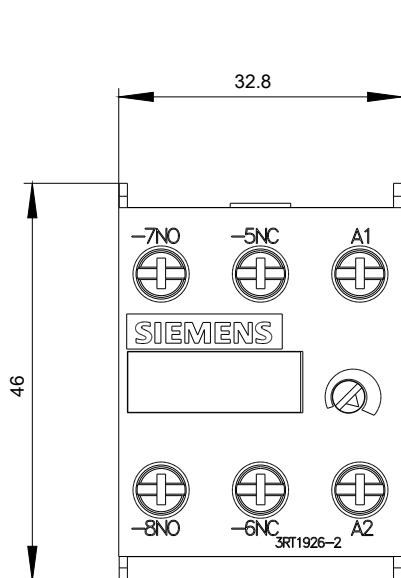
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2FL21>

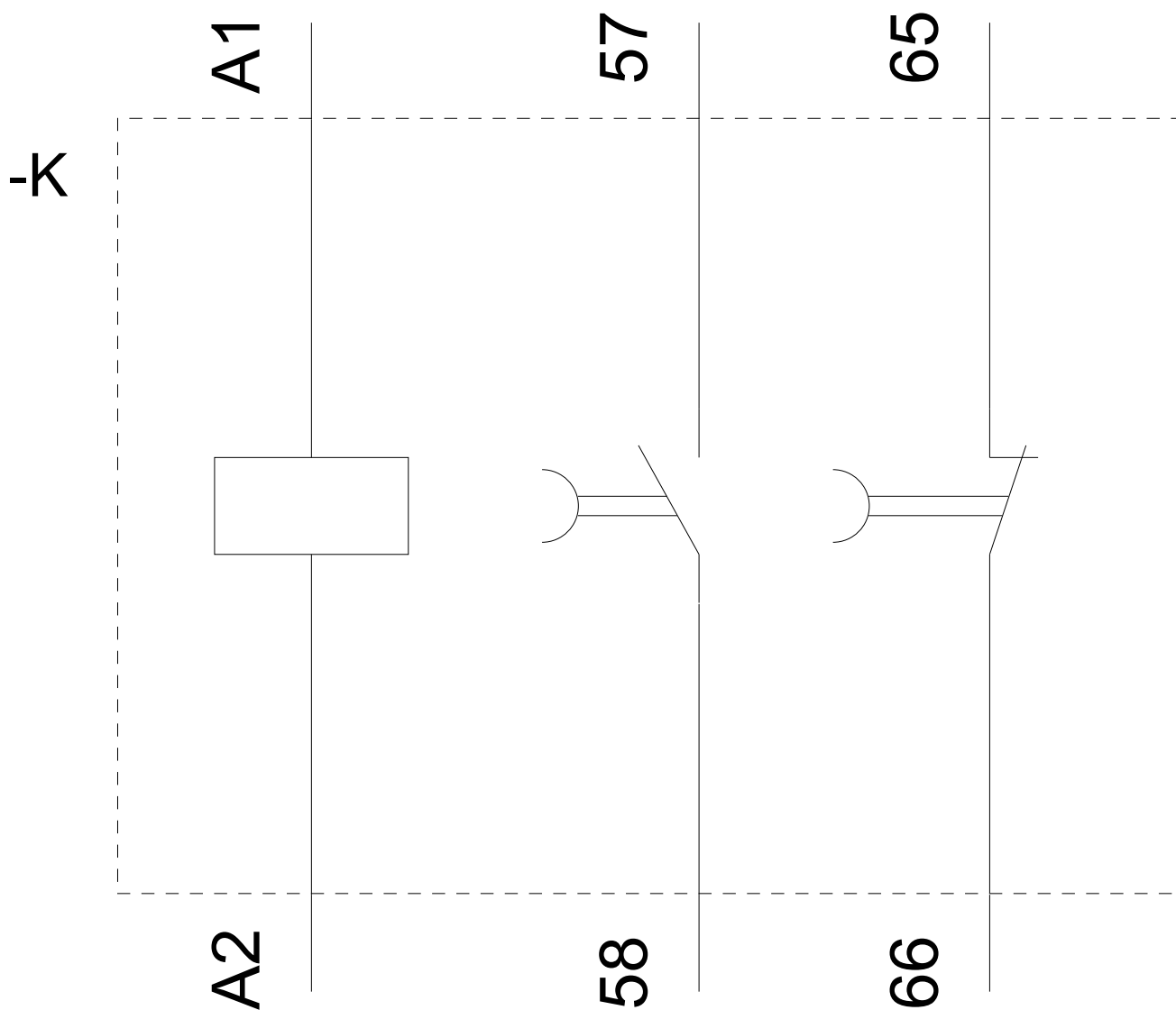
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2FL21>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2FL21&lang=en





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