SIEMENS

Data sheet 3RT1926-2FK21

solid-state time-delayed front-side auxiliary switch Time range 0.5...10 s, 100 ... 127 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
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 acc. to IEC 60068-2-27	11g / 15 ms
vibration resistance acc. 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	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 IEC 81346-2	K
relative repeat accuracy	1 %
Product Function	
product function star-delta circuit	No
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 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 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
● instantaneous contact	0
operational current of auxiliary contacts at AC-15	
● maximum	3 A
operational current of auxiliary contacts as NC contact at AC-15	
● at 24 V	3 A
● at 250 V	3 A
operational current of auxiliary contacts as NO contact at AC-15	
● at 24 V	3 A
● at 250 V	3 A
operational 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	
EMC 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-based interference 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	
touch protection against electrical shock	finger-safe
protection class IP on the front acc. to IEC 60529	IP20
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 circuit	screw-type terminals
type of connectable conductor cross-sections	
● solid	1x (0.5 ... 4.0 mm²), 2x (0.5 ... 2.5 mm²)
● finely stranded with core end processing	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)
● at AWG cables solid	2x (20 ... 14)
● at AWG cables stranded	2x (20 ... 14)
● connectable conductor cross-section solid	0.5 ... 4 m²
● connectable conductor cross-section finely stranded with core end processing	0.5 ... 2.5 m²
● AWG number as coded connectable conductor cross section solid	18 ... 14
● AWG number as coded connectable conductor cross section stranded	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	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
● ambient temperature during operation	-25 ... +60 °C
● ambient temperature during storage	-40 ... +85 °C
● ambient temperature during transport	-40 ... +85 °C
relative humidity during operation	15 ... 95 %

Certificates/ approvals

General Product Approval				EMC	Declaration of Conformity
CSA	CCC	UL	EAC	RCM	Miscellaneous

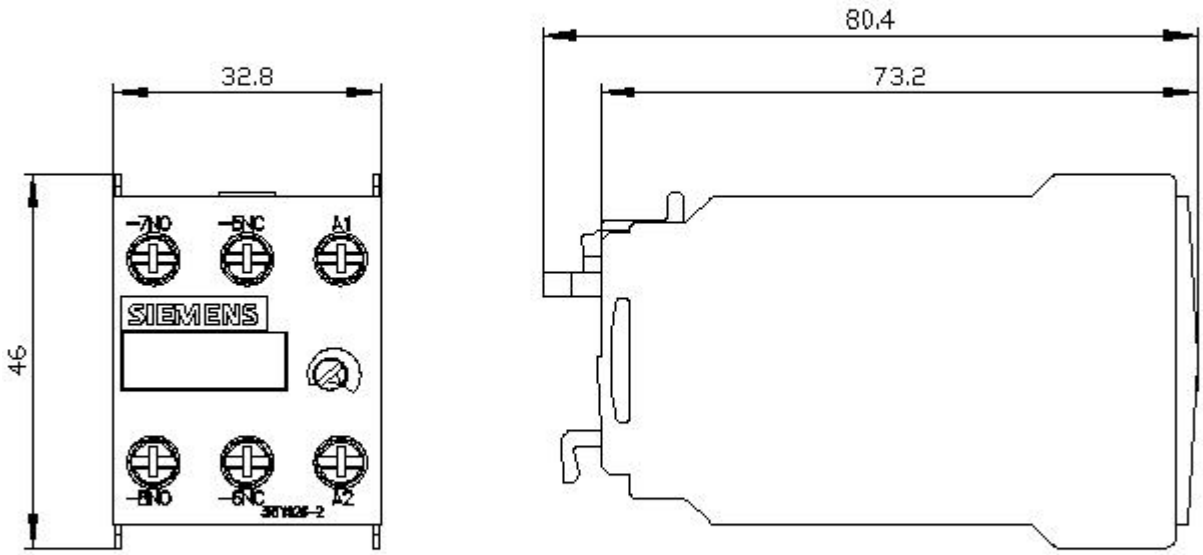
Declaration of Conformity		Test Certificates		Marine / Shipping	
EG-Konf.	Miscellaneous	Special Test Certificate	Type Test Certificates/Test Report	ABS	PRS

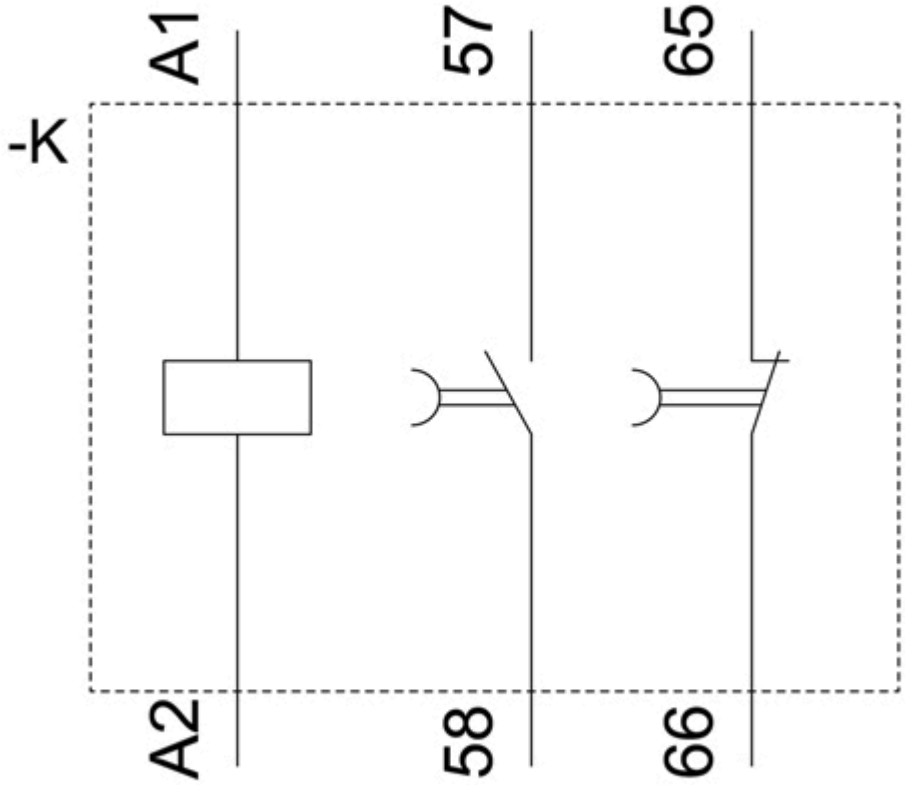
Marine / Shipping			other		Railway
RINA	RMRS	DNV·GL	Confirmation	Miscellaneous	Special Test Certificate

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=3RT1926-2FK21
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2FK21
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2FK21
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2FK21&lang=en
Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2FK21/manual





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