SIEMENS

Data sheet 3RT1926-2GC51



Solid-state time-delayed auxiliary switch, can be snapped on at the front, time range 1.5...30s, 100 ... 127 V AC, 2 NO, star-delta (wye-delta) function, sizes S6...S12

product brand name product designation design of the product product type designation SIRIUS auxiliary switch Star-delta (wye-delta) function 3RT10

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
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	

ONI deleti	NI-
ON-delay	No
 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 pulse start variably clocked with interval start	No
	110
switching function	No
star-delta circuit with delay time	No V
star-delta circuit	Yes
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	
Auxiliary circuit number of NC contacts	
number of NC contacts	0
number of NC contacts • delayed switching	0
number of NC contacts	0 0
number of NC contacts	0
number of NC contacts	0
number of NC contacts	0
number of NC contacts	0 1 1
number of NC contacts	0110
number of NC contacts	0 1 1
number of NC contacts	0110
number of NC contacts	0110
number of NC contacts	0 1 1 0 0 0
number of NC contacts	0 1 1 0 0
number of NC contacts	0 1 1 0 0 0

operational current of auxiliany contacts as MO	
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 according to IEC 61812-1	EN 61000-6-2
conducted interference	
 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
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	IP20
60529	Peoio inculation
type of insulation	Basic insulation none
category according to EN 954-1	lione
Connections/ Terminals	No
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	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 m ²
finely stranded with core end processing	0.5 2.5 m²
AWG number as coded connectable conductor cross section	
• solid	18 14
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
— forwards	0 m
— backwards	0 m
— upwards — at the side	0 m 0 m
— at the side — downwards	0 m
for live parts	VIII
♥ IOI IIVE 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
installation altitude at height above sea level maximum ambient temperature	2 000 m
	2 000 m -25 +60 °C
ambient temperature	
ambient temperature ● during operation	-25 +60 °C

Certificates/ approvals

General Product Approval







Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Special Test Certificate







Marine / Shipping

other

Railway



Confirmation

<u>Miscellaneous</u>

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=3RT1926-2GC51

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2GC51

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

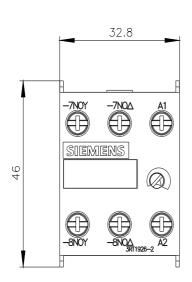
https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2GC51

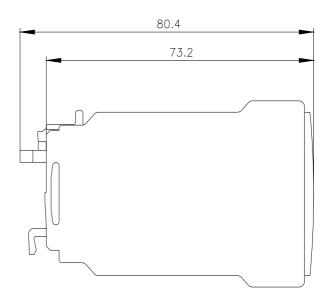
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

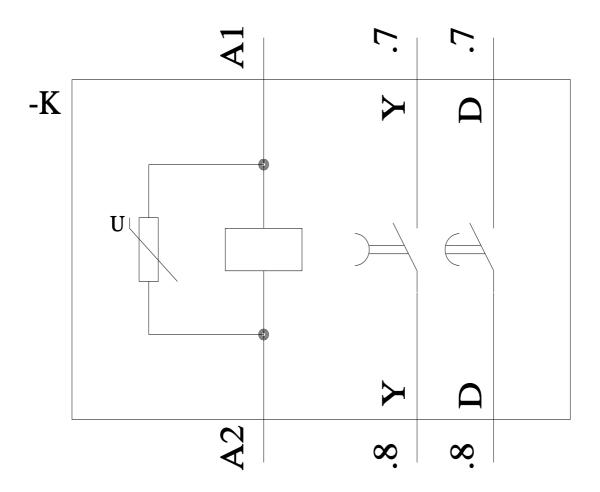
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2GC51&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2GC51/manual







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