SIEMENS

Data sheet

3RT1926-2FK31



solid-state time-delayed front-side auxiliary switch Time range 5...100 s, 100 ... 127 V AC / DC, 1 NO contact, 1 NC contact OFF delay, without control signal for 3RT1

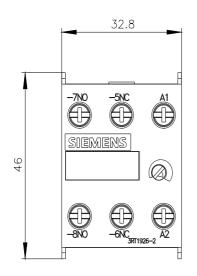
Jatriga-2 AZ			
product brand name	SIRIUS		
product designation	auxiliary switch		
design of the product	With OFF-delay		
product type designation	3RT19		
General technical data			
size of contactor can be combined company-specific	S6 S12		
product component semi-conductor output	No		
product extension 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	5 100 s		
relative setting accuracy relating to full-scale value	15 %		
minimum ON period	200 ms		
recovery time	150 ms		
reference code according to IEC 81346-2	К		
active principle	electronic		
relative repeat accuracy	1 %		
Substance Prohibitance (Date)	07/01/2006		
SVHC substance name	Lead - 7439-92-1		
Weight	0.09 kg		
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			

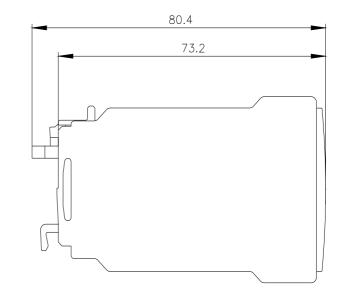
AC at 50 Hz	0.05
• initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
initial value	0.85
full-scale value	1.1
Switching Function	
switching function	
ON-delay	No
 ON-delay/instantaneous contact 	No
 passing make contact 	No
 passing make 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

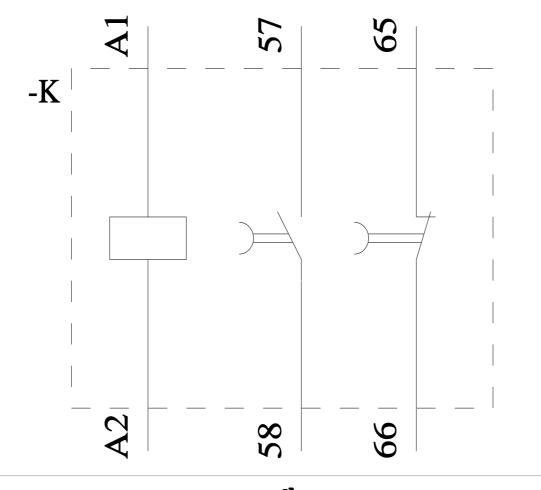
instantaneous contact	0
number of CO contacts	
 delayed switching 	0
 instantaneous contact 	0
operational current of auxiliary contacts at AC-15	
• maximum	3 A
operational current of auxiliary contacts as NC contact at	
AC-15	
• at 24 V	3 A
• at 250 V	3 A
operational current of auxiliary contacts as 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	1A
• at 125 V	0.2 A
• at 250 V	0.1 A
Inputs/ Outputs	
product function	
•	No
 at the relay outputs switchover delayed/without delay non-volatile 	No
	NU
Electromagnetic compatibility	EN 61000 6 2
EMC immunity according to IEC 61812-1	EN 61000-6-2
conducted interference	2 kV notwork connection / 1 kV control connection
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	
category according to EN 954-1	none
category according to EN 954-1 Electrical Safety	none
Electrical Safety	
Electrical Safety protection class IP on the front according to IEC 60529	IP20
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	IP20 finger-safe, for vertical contact from the front
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation	IP20
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	IP20 finger-safe, for vertical contact from the front
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and	IP20 finger-safe, for vertical contact from the front Basic insulation
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit	IP20 finger-safe, for vertical contact from the front Basic insulation No
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	IP20 finger-safe, for vertical contact from the front Basic insulation No
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²)
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 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)
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 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)
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Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 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) 0.5 4 m² 0.5 2.5 m² 18 14 18 14 any clip-on
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 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) 0.5 4 m² 0.5 4 m² 18 14 18 14 18 14 46 mm
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.0 mm²), 2x (0.5 1.5 mm²) 2x (20 14) 2x (20 14) 0.5 4 m² 0.5 4 m² 0.5 4 m² 0.5 2.5 m² 18 14 18 14 33 mm
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.0 mm²), 2x (0.5 1.5 mm²) 2x (20 14) 2x (20 14) 0.5 4 m² 0.5 4 m² 0.5 4 m² 0.5 2.5 m² 18 14 18 14 33 mm
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • for AWG cables solid • for AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • for AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	IP20 finger-safe, for vertical contact from the front Basic insulation No screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.0 mm²), 2x (0.5 1.5 mm²) 2x (20 14) 2x (20 14) 0.5 4 m² 0.5 4 m² 0.5 2.5 m² 18 14 18 14 33 mm

— backwards					
	6	0 m			
— upwards		0 m			
- downwards		0 m			
— at the side		0 m			
 for grounded pa 	irts				
— forwards		0 m			
 backwards 	3	0 m			
— upwards		0 m			
— at the side		0 m			
- downwards	S	0 m			
 for live parts 					
— forwards		0 m			
— backwards	3	0 m			
— upwards		0 m			
- downwards	S	0 m			
— at the side		0 m			
Ambient conditions					
	neight above sea level max	imum 2 00	0 m		
ambient temperature	-				
 during operation 		-25	+60 °C		
 during storage 			+85 °C		
during storage during transport			+85 °C		
relative humidity during			. 95 %		
Approvals Certificates		15	. 95 /0		
General Product App	proval				
General Product App	eroval EG-Konf.	UK CA	Confirmation	(U) u	EAC
General Product App	CE	UK CA	Confirmation Marine / Shipping	U	EAC
CCC	C C EG-Konf.	UK CA Type Test Certific- ates/Test Report			EAC ERC
EMV	EG-Konf. Test Certificates	Type Test Certific-	Marine / Shipping		ьнь (2)
EMV ECC RCM	EG-Konf. Test Certificates	<u>Type Test Certific-</u> ates/Test Report	Marine / Shipping	UL UL	ьнь (2)

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
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=3RT1926-2FK31
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1926-2FK31
Service&Support (Manuals, Certificates, Characteristics, FAQs,)
https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2FK31
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1926-2FK31⟨=en
Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/3RT1926-2FK31/manual







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