

Timing relay, electronic Phased-out product !!! For further information, please contact our sales department ansprechverzögert 1 change-over contact, 1 time range 5 s...100 s 24 AC, 200...240 V and 24 V DC at 50/60 Hz AC with LED, Screw terminal

<b>product brand name</b>	SIRIUS
<b>product designation</b>	timing relay
<b>product type designation</b>	3RP15

### General technical data

<b>product component</b>	Yes
• relay output	No
• semi-conductor output	No
<b>product extension required remote control</b>	No
<b>product extension optional remote control</b>	No
<b>power loss [W] maximum</b>	2 W
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V
<b>test voltage for isolation test</b>	2 kV
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	4 000 V
<b>protection class IP</b>	IP20
<b>shock resistance according to IEC 60068-2-27</b>	11g / 15 ms
<b>vibration resistance according to IEC 60068-2-6</b>	10 ... 55 Hz / 0.35 mm
<b>mechanical service life (switching cycles) typical</b>	10 000 000
<b>electrical endurance (switching cycles) at AC-15 at 230 V typical</b>	100 000
<b>adjustable time</b>	5 ... 100 s
<b>relative setting accuracy relating to full-scale value</b>	5 %
<b>thermal current</b>	5 A
<b>recovery time</b>	150 ms
<b>reference code according to IEC 81346-2</b>	K
<b>relative repeat accuracy</b>	1 %
<b>influence of the surrounding temperature</b>	±5 %
<b>power supply influence</b>	±1 %
<b>Substance Prohibitance (Date)</b>	05/28/2009

### Control circuit/ Control

<b>type of voltage of the control supply voltage</b>	AC/DC
<b>control supply voltage 1 at AC</b>	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
<b>control supply voltage 2 at AC</b>	
• at 50 Hz	200 ... 240 V
• at 60 Hz	200 ... 240 V
<b>control supply voltage frequency 1</b>	50 ... 60 Hz
<b>control supply voltage 1</b>	
• at DC rated value	24 V
<b>operating range factor control supply voltage rated value at DC</b>	
• initial value	0.85
• full-scale value	1.1
<b>operating range factor control supply voltage rated value at AC at 50 Hz</b>	
• initial value	0.85
• full-scale value	1.1
<b>operating range factor control supply voltage rated value at AC at 60 Hz</b>	
• initial value	0.85

- full-scale value

1.1

## Switching Function

### switching function

- ON-delay Yes
- 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

- 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/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

## Short-circuit protection

- |   |                 |
|---|-----------------|
| design of the fuse link for short-circuit protection of the auxiliary switch required | fuse gL/gG: 4 A |
|---|-----------------|

## Auxiliary circuit

### material of switching contacts

AgSnO<sub>2</sub>

### number of NC contacts

- delayed switching 0
- instantaneous contact 0

### number of NO contacts

- delayed switching 0
- instantaneous contact 0

### number of CO contacts

- delayed switching 1
- instantaneous contact 0

### operational current of auxiliary contacts 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

### operating frequency with 3RT2 contactor maximum

5 000 1/h

### contact reliability of auxiliary contacts

one incorrect switching operation of 100 million switching operations (17

<b>contact rating of auxiliary contacts according to UL</b>	V, 5 mA) R300 / B300
<b>Inputs/ Outputs</b>	
<b>product function</b> • non-volatile	No
<b>Electromagnetic compatibility</b>	
EMC emitted interference according to IEC 61812-1	EN 61000-6-4(3)
EMC immunity according to IEC 61812-1	EN 61000-6-2
<b>conducted interference</b> • 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
<b>field-based interference according to IEC 61000-4-3</b>	10 V/m
<b>electrostatic discharge according to IEC 61000-4-2</b>	4 kV contact discharge / 8 kV air discharge
<b>Safety related data</b>	
<b>protection class IP on the front according to IEC 60529</b>	IP20
<b>type of insulation</b> <b>category according to EN 954-1</b>	Basic insulation none
<b>Connections/ Terminals</b>	
<b>product component removable terminal for auxiliary and control circuit</b>	Yes
type of electrical connection for auxiliary and control circuit	screw-type terminals
<b>type of connectable conductor cross-sections</b> • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded	1x (0.5 ... 4.0 mm <sup>2</sup> ), 2x (0.5 ... 2.5 mm <sup>2</sup> ) 1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> ) 2x (20 ... 14) 2x (20 ... 14)
<b>connectable conductor cross-section</b> • solid • finely stranded with core end processing	0.5 ... 4 mm <sup>2</sup> 0.5 ... 2.5 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b> • solid • stranded	20 ... 14 20 ... 14
<b>tightening torque</b>	0.8 ... 1.2 N·m
<b>design of the thread of the connection screw</b>	M3
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw and snap-on mounting onto 35 mm DIN rail
<b>height</b>	83 mm
<b>width</b>	22.5 mm
<b>depth</b>	91 mm
<b>required spacing</b> • 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 — backwards — upwards — downwards — at the side	0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm

## Ambient conditions

installation altitude at height above sea level maximum	2 000 m
<b>ambient temperature</b>	
• during operation	-25 ... +60 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity during operation	10 ... 95 %

## Certificates/ approvals

### General Product Approval

EMC



[Confirmation](#)



### Declaration of Conformity

### Test Certificates

### Marine / Shipping



[Type Test Certificates/Test Report](#)



### Marine / Shipping

### other

### Railway



[Miscellaneous](#)

[Confirmation](#)

[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=3RP1513-1AP30>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP1513-1AP30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RP1513-1AP30>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RP1513-1AP30&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP1513-1AP30&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RP1513-1AP30/manual>

last modified:

11/21/2022