



Timing relay, electronic Phased-out product !!! For further information, please contact our sales department OFF delay 1 change-over contact, with auxiliary voltage 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

product brand name	SIRIUS
product designation	timing relay
product type designation	3RP15

General technical data

product component	Yes
<ul style="list-style-type: none"> relay output semi-conductor output 	No
product extension required remote control	No
product extension optional remote control	No
power loss [W] maximum	2 W
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V
test voltage for isolation test	2 kV
degree of pollution	3
surge voltage resistance rated value	4 000 V
protection class IP	IP20
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	5 %
thermal current	5 A
minimum ON period	35 ms
recovery time	150 ms
reference code according to IEC 81346-2	K
relative repeat accuracy	1 %
influence of the surrounding temperature	±5 %
power supply influence	±1 %
Substance Prohibitance (Date)	05/28/2009

Control circuit/ Control

type of voltage of the control supply voltage	AC/DC
control supply voltage 1 at AC	
<ul style="list-style-type: none"> at 50 Hz rated value at 60 Hz rated value 	24 V 24 V
control supply voltage 2 at AC	
<ul style="list-style-type: none"> at 50 Hz at 60 Hz 	200 ... 240 V 200 ... 240 V
control supply voltage frequency 1	50 ... 60 Hz
control supply voltage 1	
<ul style="list-style-type: none"> at DC rated value 	24 V

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 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 Yes
- 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

design of the control terminal non-floating Yes**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 AgSnO₂

number of NC contacts

- delayed switching 0
- instantaneous contact 0

number of NO contacts

- delayed switching 0
- instantaneous contact 0

number of CO contacts

<ul style="list-style-type: none"> • delayed switching • instantaneous contact 	1
operational current of auxiliary contacts at AC-15	0
<ul style="list-style-type: none"> • at 24 V • at 250 V 	3 A
operational current of auxiliary contacts at DC-13	3 A
<ul style="list-style-type: none"> • at 24 V • at 125 V • at 250 V 	1 A
operating frequency with 3RT2 contactor maximum	0.2 A
contact reliability of auxiliary contacts	0.1 A
contact rating of auxiliary contacts according to UL	5 000 1/h
	one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
	R300 / B300
Inputs/ Outputs	
product function	
<ul style="list-style-type: none"> • non-volatile 	No
Electromagnetic compatibility	
EMC emitted interference according to IEC 61812-1	EN 61000-6-4(3)
EMC immunity according to IEC 61812-1	EN 61000-6-2
conducted interference	
<ul style="list-style-type: none"> • 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
field-based interference according to IEC 61000-4-3	2 kV
electrostatic discharge according to IEC 61000-4-2	1 kV
	10 V/m
	4 kV contact discharge / 8 kV air discharge
Safety related data	
protection class IP on the front according to IEC 60529	IP20
type of insulation	Basic insulation
category according to EN 954-1	none
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded 	1x (0.5 ... 4.0 mm ²), 2x (0.5 ... 2.5 mm ²)
connectable conductor cross-section	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)
<ul style="list-style-type: none"> • solid • finely stranded with core end processing 	2x (20 ... 14)
AWG number as coded connectable conductor cross section	2x (20 ... 14)
<ul style="list-style-type: none"> • solid • stranded 	0.5 ... 4 mm ²
tightening torque	0.5 ... 2.5 mm ²
design of the thread of the connection screw	20 ... 14
	20 ... 14
	0.8 ... 1.2 N·m
	M3
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	102 mm
width	22.5 mm
depth	91 mm
required spacing	
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — forwards — backwards — upwards — downwards — at the side • for grounded parts 	0 mm
	0 mm
	0 mm
	0 mm
	0 mm
	0 mm

— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
• for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm

Ambient conditions

installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• 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



EG-Konf.

[Type Test Certificates/Test Report](#)



URS



RINA

Marine / Shipping

other

Railway



[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=3RP1533-1AP30>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP1533-1AP30>

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

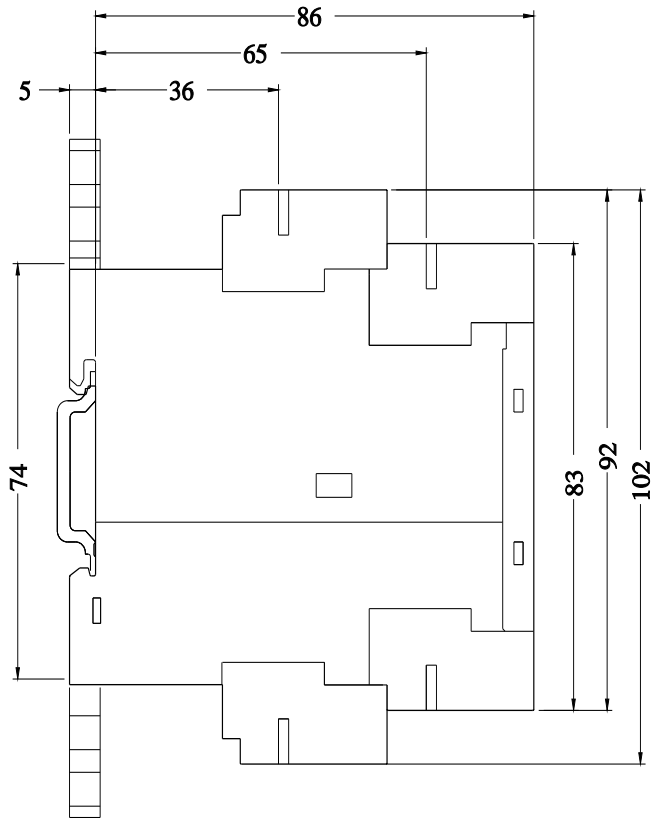
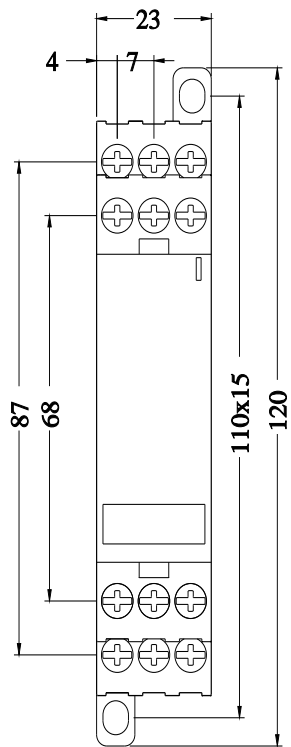
<https://support.industry.siemens.com/cs/ww/en/ps/3RP1533-1AP30>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP1533-1AP30&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RP1533-1AP30/manual>



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