



Timing relay, Phased-out product !!! For further information, please contact our sales department ansprechverzögert 1 NO contact (semiconductor) 4 time ranges, 0.05 s....240 s 90...240 V AC/DC, 2-wire screw terminal

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

General technical data

product component	No
<ul style="list-style-type: none"> • relay output • semi-conductor output 	Yes
product extension required remote control	No
product extension optional remote control	No
power loss [W] maximum	1 W
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
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	100 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000 000
adjustable time	0.05 ... 240 s
relative setting accuracy relating to full-scale value	5 %
recovery time	50 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 • at 60 Hz 	90 ... 240 V
control supply voltage frequency 1	50 ... 60 Hz
control supply voltage 1	
<ul style="list-style-type: none"> • at DC 	90 ... 240 V
operating range factor control supply voltage rated value at DC	
<ul style="list-style-type: none"> • initial value • full-scale value 	0.8
operating range factor control supply voltage rated value at AC at 50 Hz	1.1

<ul style="list-style-type: none"> • initial value • full-scale value 	0.85 1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
<ul style="list-style-type: none"> • initial value • full-scale value 	0.85 1.1
Switching Function	
switching function	
<ul style="list-style-type: none"> • ON-delay • ON-delay/instantaneous contact • passing make contact • passing make contact/instantaneous contact • OFF delay 	Yes No No No No
switching function	
<ul style="list-style-type: none"> • flashing symmetrically with interval start/instantaneous • flashing symmetrically with interval start • flashing symmetrically with pulse start/instantaneous • flashing symmetrically with pulse start • flashing asymmetrically with interval start • flashing asymmetrically with pulse start 	No No No No No No
switching function	
<ul style="list-style-type: none"> • star-delta circuit with delay time • star-delta circuit 	No No
switching function with control signal	
<ul style="list-style-type: none"> • additive ON-delay • passing break contact • passing break contact/instantaneous • OFF delay • OFF delay/instantaneous • pulse delayed • pulse delayed/instantaneous • pulse-shaping • pulse-shaping/instantaneous • additive ON-delay/instantaneous • ON-delay/OFF-delay/instantaneous • passing make contact • passing make contact/instantaneous contact 	No No No No No No No No No No No No No
switching function of interval relay with control signal	
<ul style="list-style-type: none"> • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal/instantaneous contact • retriggerable with deactivated control signal 	No No No No
Auxiliary circuit	
number of NC contacts	
<ul style="list-style-type: none"> • delayed switching • instantaneous contact 	0 0
number of NO contacts	
<ul style="list-style-type: none"> • delayed switching • instantaneous contact 	1 0
number of CO contacts	
<ul style="list-style-type: none"> • delayed switching • instantaneous contact 	0 0
operating frequency with 3RT2 contactor maximum	5 000 1/h
switching capacity current with inductive load	0.01 ... 0.6 A
Inputs/ Outputs	
product function	
<ul style="list-style-type: none"> • non-volatile 	No
residual current maximum	5 mA
Electromagnetic compatibility	
EMC emitted interference according to IEC 61812-1	EN 61000-6-4(3)

EMC immunity according to IEC 61812-1

conducted interference

- 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

field-based interference according to IEC 61000-4-3

electrostatic discharge according to IEC 61000-4-2

EN 61000-6-2

2 kV network connection / 1 kV control connection

2 kV

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

- solid
- finely stranded with core end processing
- at AWG cables solid
- at AWG cables stranded

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)

connectable conductor cross-section

- solid
- finely stranded with core end processing

0.5 ... 4 mm²

0.5 ... 2.5 mm²

AWG number as coded connectable conductor cross section

- solid
- stranded

20 ... 14

20 ... 14

tightening torque

0.8 ... 1.2 N·m

design of the thread of the connection screw

M3

Installation/ mounting/ dimensions

mounting position

any

fastening method

screw and snap-on mounting onto 35 mm DIN rail

height

83 mm

width

22.5 mm

depth

91 mm

required spacing

- with side-by-side mounting

— forwards

0 mm

— backwards

0 mm

— upwards

0 mm

— downwards

0 mm

— at the side

0 mm

- for grounded parts

— 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	Declaration of Conformity
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[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping	other	Railway
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[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=3RP1527-1EM30>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP1527-1EM30>

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

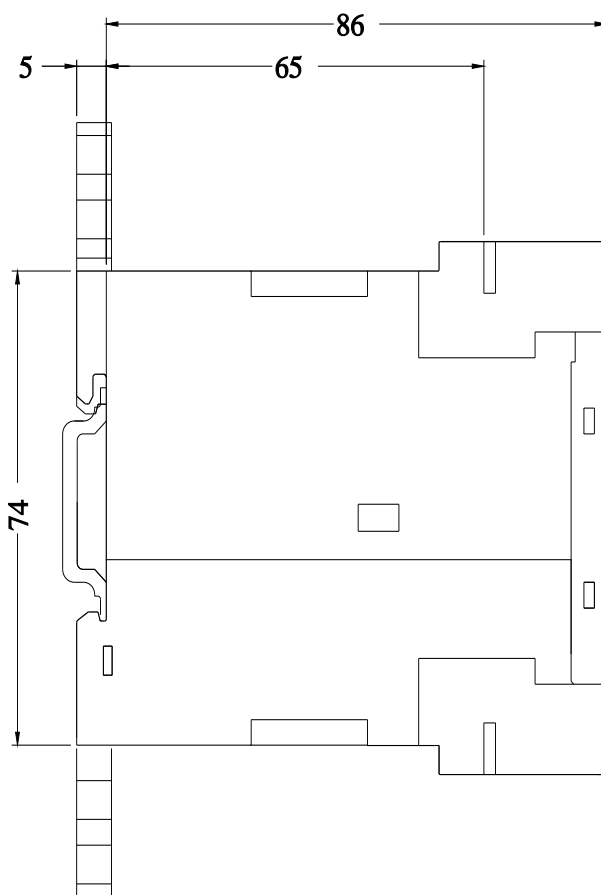
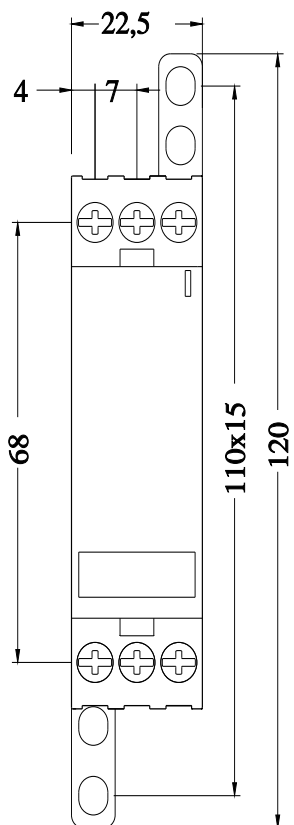
<https://support.industry.siemens.com/cs/ww/en/ps/3RP1527-1EM30>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP1527-1EM30&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RP1527-1EM30/manual>



last modified:

11/21/2022 [🔗](#)