

TIME RELAY, OFF-DELAY 1 C, 7 RANGES 0,05...100 S AC/DC 24 V, WITH LED

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

### General technical data

Product component	
<ul style="list-style-type: none"> <li>• semi-conductor output</li> </ul>	No
Product extension required remote control	No
Product extension optional remote control	No
Degree of pollution	3
Surge voltage resistance rated value	4 000 V
Adjustable time	0.05 ... 100 s
Thermal current	5 A
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K
Reference code acc. to DIN EN 81346-2	K
Reference code acc. to DIN EN 61346-2	K

### 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"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>	24 V 24 V
Control supply voltage frequency 1	50 ... 60 Hz
Control supply voltage 1	
<ul style="list-style-type: none"> <li>• at DC rated value</li> </ul>	24 V
Operating range factor control supply voltage rated value at DC	
<ul style="list-style-type: none"> <li>• initial value</li> <li>• Full-scale value</li> </ul>	0.85 1.1
Operating range factor control supply voltage rated value at AC at 50 Hz	
<ul style="list-style-type: none"> <li>• initial value</li> <li>• Full-scale value</li> </ul>	0.85 1.1
Operating range factor control supply voltage rated value at AC at 60 Hz	
<ul style="list-style-type: none"> <li>• initial value</li> <li>• Full-scale value</li> </ul>	0.85 1.1

Switching Function	
<b>Switching function</b>	
• ON-delay	No
• ON-delay/instantaneous contact	No
• passing make contact	No
• passing make contact/instantaneous contact	No
• OFF delay	Yes
<b>Switching function with control signal</b>	
• additive ON delay	No
• passing break contact	No
• passing break contact/instantaneous	No
• OFF delay	No
• OFF delay/instantaneous	No
• pulse-shaping	No
• pulse-shaping/instantaneous	No
• ON-delay/OFF-delay/instantaneous	No
Short-circuit protection	
<b>Design of the fuse link</b>	
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
<b>Number of CO contacts</b>	
• delayed switching	2
<b>Operating current of auxiliary contacts at DC-13</b>	
• at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A
<b>Contact reliability of auxiliary contacts</b>	one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
Inputs/ Outputs	
<b>Product function</b>	
• at the relay outputs Switchover delayed/without delay	No
Electromagnetic compatibility	
<b>Conducted interference</b>	
• due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
• due to conductor-earth surge acc. to IEC 61000-4-5	2 kV
• due to conductor-conductor surge acc. to IEC 61000-4-5	1 kV
<b>Field-bound parasitic coupling acc. to IEC 61000-4-3</b>	10 V/m

<b>Electrostatic discharge acc. to IEC 61000-4-2</b>	4 kV contact discharge / 8 kV air discharge
<b>Safety related data</b>	
<b>Protection against electrical shock</b>	finger-safe
<b>Category acc. to EN 954-1</b>	none
<b>Connections/ Terminals</b>	
<b>Type of electrical connection</b>	screw-type terminals
• for auxiliary and control current circuit	
<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>Mounting type</b>	screw and snap-on mounting onto 35 mm standard mounting rail
<b>Height</b>	102 mm
<b>Width</b>	22.5 mm
<b>Depth</b>	91 mm
<b>Required spacing</b>	
• 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
<b>Ambient conditions</b>	
<b>Installation altitude at height above sea level</b>	
• maximum	2 000 m
<b>Relative humidity</b>	
• during operation	15 ... 70 %
<b>Certificates/ approvals</b>	

General Product Approval			EMC	Declaration of Conformity	
 CCC	 CSA	 UL		 RCM	 EG-Konf.

Declaration of Conformity	Test Certificates	Marine / Shipping			
<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a>	 BUREAU VERITAS	 LRS	 PRS	 RINA

Marine / Shipping	other	Railway	
 RMRS	 DNV-GL DNVGL.COM/AF	<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>
		<a href="#">Special Test Certificate</a>	

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RP1540-1BB30>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP1540-1BB30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RP1540-1BB30>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RP1540-1BB30&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP1540-1BB30&lang=en)

last modified:

09/23/2019