



input coupler with integrated relay, 230 V AC/DC, 1 change-over contact, screw terminal, width 6.2 mm, thermal current 6 A

product brand name	SIRIUS
product category	SIRIUS 3RQ4 coupling relay, narrow design
product designation	Coupling relay with integrated relay output
design of the product	input coupling link
product type designation	3RQ4
<b>General technical data</b>	
display version LED	Yes
product feature protective coating on printed-circuit board	No
product component	
• relay output	Yes
• semi-conductor output	No
power loss [W] maximum	1.2 W
consumed active power	1.3 W
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V
surge voltage resistance rated value	4 kV
maximum permissible voltage for protective separation	
• between control and auxiliary circuit	300 V
• between control and auxiliary circuit according to IEC 60947-1	300 V
percental drop-out voltage related to the input voltage	10 %
flammability class of enclosure material	UL94 V-0
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
• according to IEC 60068-2-6	6 ... 150 Hz: 2 g
operating frequency maximum	72 000 1/h
switching behavior	monostable
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles)	
• at AC-15 at 250 V typical	100 000
thermal current	6 A
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	09/26/2024
SVHC substance name	Lead - 7439-92-1
Weight	38 g
<b>Control circuit/ Control</b>	
control supply voltage at AC	
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 V
control supply voltage frequency	

<ul style="list-style-type: none"> <li>• 1 rated value</li> </ul>	50 Hz
<ul style="list-style-type: none"> <li>• 2 rated value</li> </ul>	60 Hz
<b>control supply voltage at DC rated value</b>	230 V
<b>operating range factor control supply voltage rated value at DC</b>	
<ul style="list-style-type: none"> <li>• initial value</li> </ul>	0.8
<ul style="list-style-type: none"> <li>• full-scale value</li> </ul>	1.1
<b>operating range factor control supply voltage rated value at AC at 50 Hz</b>	
<ul style="list-style-type: none"> <li>• initial value</li> </ul>	0.8
<ul style="list-style-type: none"> <li>• full-scale value</li> </ul>	1.1
<b>operating range factor control supply voltage rated value at AC at 60 Hz</b>	
<ul style="list-style-type: none"> <li>• initial value</li> </ul>	0.8
<ul style="list-style-type: none"> <li>• full-scale value</li> </ul>	1.1
<b>ON-delay time</b>	
<ul style="list-style-type: none"> <li>• at AC maximum</li> </ul>	10 ms
<ul style="list-style-type: none"> <li>• at DC maximum</li> </ul>	8 ms
<b>OFF-delay time maximum</b>	10 ms
<b>Switching Function</b>	
<b>design of the switching function positively driven</b>	No
<b>Digital Outputs</b>	
<b>property of the output short-circuit proof</b>	No
<b>Mechanical data</b>	
<b>product component plug-in socket</b>	No
<b>design of the relay operating mechanism</b>	poled
<b>Short-circuit protection</b>	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gG: 4 A
<b>Auxiliary circuit</b>	
<b>type of switching contact</b>	Changeover contact
<b>material of switching contacts</b>	AgSnO <sub>2</sub>
number of CO contacts for auxiliary contacts	1
<b>operational current of auxiliary contacts at AC-15</b>	
<ul style="list-style-type: none"> <li>• at 24 V</li> </ul>	3 A
<ul style="list-style-type: none"> <li>• at 250 V</li> </ul>	3 A
<b>operational current of auxiliary contacts at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V</li> </ul>	1 A
<ul style="list-style-type: none"> <li>• at 125 V</li> </ul>	0.2 A
<ul style="list-style-type: none"> <li>• at 250 V</li> </ul>	0.1 A
<b>contact reliability of auxiliary contacts</b>	one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
<b>Main circuit</b>	
<b>type of voltage</b>	AC/DC
ampacity of the output relay at AC-15 at 250 V at 50/60 Hz	3 A
<b>ampacity of the output relay at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V</li> </ul>	1 A
<ul style="list-style-type: none"> <li>• at 125 V</li> </ul>	0.2 A
<ul style="list-style-type: none"> <li>• at 250 V</li> </ul>	0.1 A
<b>Electromagnetic compatibility</b>	
<b>electromagnetic compatibility</b>	acc. to EN 60947-5-1
EMC emitted interference according to IEC 60947-1	ambience A (industrial sector)
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
<b>conducted interference</b>	
<ul style="list-style-type: none"> <li>• due to burst according to IEC 61000-4-4</li> </ul>	2 kV
<ul style="list-style-type: none"> <li>• due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
<ul style="list-style-type: none"> <li>• due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	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>	6 kV contact discharge / 8 kV air discharge
<b>Display</b>	
display version as status display by LED	LED green

Safety related data		
B10d value		1 200 000
Connections/ Terminals		
product function removable terminal		No
type of electrical connection		
• for auxiliary and control circuit		screw-type terminals
type of connectable conductor cross-sections		
• solid		1x (0.25 ... 2.5 mm²)
• finely stranded with core end processing		1x (0.25 ... 2.5 mm²), 2x (0.25 ... 1.5 mm²)
• for AWG cables solid		1x (20 ... 14), 2x (20 ... 16)
connectable conductor cross-section		
• solid		0.25 ... 2.5 mm²
• finely stranded with core end processing		0.25 ... 2.5 mm²
AWG number as coded connectable conductor cross section		
• solid		20 ... 14
tightening torque with screw-type terminals		0.5 ... 0.6 N·m
size of the screwdriver tip		3,0 x 0,5 mm
stripped length		10 mm
Installation/ mounting/ dimensions		
mounting position		any
fastening method		snap-on mounting
height		93 mm
width		6.2 mm
depth		84.5 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 %
Approvals Certificates		
General Product Ap- proval	other	Environment



[Confirmation](#)



#### Further information

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=3RQ4038-1AF00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ4038-1AF00>

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

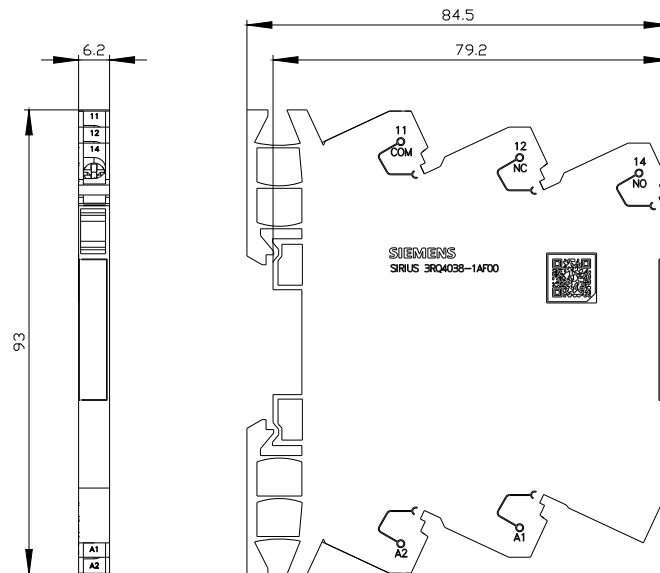
<https://support.industry.siemens.com/cs/ww/en/ps/3RQ4038-1AF00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RQ4038-1AF00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ4038-1AF00&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RQ4038-1AF00/manual>



last modified:

5/16/2025