



!!! phased-out product !!! the preferred successor is 3RQ4118-1AM01 output coupler with plug-in relay, 1 CO, hard gold-plated screw terminal 24 V DC enclosure width 6.2 mm thermal current 6 A

product brand name	SIRIUS
product category	SIRIUS 3RQ3 coupling relays in slim design
product designation	Coupling relays with plug-in relay
design of the product	Output coupling link
product type designation	3RQ3
<b>General technical data</b>	
display version LED	Yes
product feature protective coating on printed-circuit board	No
product component	<ul style="list-style-type: none"> <li>• relay output Yes</li> <li>• semi-conductor output No</li> </ul>
consumed active power	0.3 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	<ul style="list-style-type: none"> <li>• between control and auxiliary circuit 300 V</li> </ul>
percental drop-out voltage related to the input voltage	10 %
flammability class of enclosure material	UL94 V-0
shock resistance	<ul style="list-style-type: none"> <li>• according to IEC 60068-2-27 sinusoidal half-wave 15 g / 11 ms</li> </ul>
vibration resistance	<ul style="list-style-type: none"> <li>• according to IEC 60068-2-6 6 ... 150 Hz: 2 g</li> </ul>
operating frequency maximum	72 000 1/h
switching behavior	monostable
mechanical service life (operating cycles) typical	10 000 000
thermal current	6 A
reference code according to IEC 81346-2	K
Substance Prohibitance (day/month/year)	03/25/2015
Net Weight	0.035 kg
<b>Control circuit/ Control</b>	
control supply voltage at DC rated value	24 V
operating range factor control supply voltage rated value at DC	<ul style="list-style-type: none"> <li>• initial value 0.8</li> <li>• full-scale value 1.25</li> </ul>
ON-delay time	<ul style="list-style-type: none"> <li>• at DC maximum 12 ms</li> </ul>
OFF-delay time maximum	13 ms




Mechanical data	
product component plug-in socket	Yes
design of the relay operating mechanism	poled
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gG: 4 A
Auxiliary circuit	
type of switching contact	Changeover contact
material of switching contacts	AgSnO2 hard gold-plated
number of CO contacts for auxiliary contacts	1
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
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (5 V, 1 mA)
Main circuit	
type of voltage	DC
Inputs/ Outputs	
property of the output short-circuit proof	No
ampacity of the output relay at AC-15 at 250 V at 50/60 Hz	3 A
ampacity of the output relay at DC-13	
• at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A
Electromagnetic compatibility	
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
conducted interference	
• due to burst according to IEC 61000-4-4	2 kV
• due to conductor-earth surge according to IEC 61000-4-5	2 kV
• due to conductor-conductor surge according to IEC 61000-4-5	1 kV
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
Display	
display version as status display by LED	LED green
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 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.25 ... 1.5 mm <sup>2</sup> )
• for AWG cables solid	1x (20 ... 14)
connectable conductor cross-section	
• solid	0.25 ... 2.5 mm <sup>2</sup>
• finely stranded with core end processing	0.25 ... 1.5 mm <sup>2</sup>
AWG number as coded connectable conductor cross section	
• solid	20 ... 14
tightening torque with screw-type terminals	0.5 ... 0.6 N·m
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on mounting
height	93 mm
width	6.2 mm

<b>depth</b>	76 mm
<b>required spacing</b>	
<ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— downwards 0 mm</li> <li>— at the side 0 mm</li> </ul> </li> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— at the side 0 mm</li> <li>— downwards 0 mm</li> </ul> </li> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— downwards 0 mm</li> <li>— at the side 0 mm</li> </ul> </li> </ul>	

<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation -25 ... +60 °C</li> <li>• during storage -40 ... +85 °C</li> <li>• during transport -40 ... +85 °C</li> </ul>	
relative humidity during operation	10 ... 95 %

**Approvals Certificates**

<b>Environment</b>	<b>General Product Approval</b>				
<a href="#">Environmental Con- firmations</a>					

<b>EMV</b>	<b>Test Certificates</b>	<b>Maritime application</b>	<b>other</b>
		<a href="#">Type Test Certificates/Test Report</a>	  <a href="#">Confirmation</a>

**Further information**

- Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- 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=3RQ3118-1AM01>
- Cax online generator  
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ3118-1AM01>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3RQ3118-1AM01>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RQ3118-1AM01&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ3118-1AM01&lang=en)

