



!!! phased-out product !!! the preferred successor is 3RQ4128-2AB30 output coupler optocoupler 1 NO, transistor, 24 V DC output max. 30 V DC, 5 A short-circuit-proof with M-0-A switch spring-loaded terminal (push-in) width 6.2 mm thermal current 5 A

|   |   |
|---|---|
| product brand name  | SIRIUS  |
| product category  | SIRIUS 3RQ3 coupling relays in slim design              |
| product designation   | Coupling relays with semiconductor output (not plug-in) |
| 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   |   |
| • relay output  | No  |
| • semi-conductor output   | Yes   |
| consumed active power   | 0.3 W   |
| insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value | 50 V  |
| surge voltage resistance rated value  | 2.5 kV  |
| flammability class of enclosure material  | UL94 V-0  |
| shock resistance  |   |
| • according to IEC 60068-2-27   | sinusoidal half-wave 15 g / 11 ms                       |
| vibration resistance  |   |
| • according to IEC 60068-2-6  | 6 ... 150 Hz: 2 g                                       |
| switching frequency   | 100 Hz  |
| thermal current   | 5 A   |
| reference code according to IEC 81346-2   | K   |
| Substance Prohibitance (day/month/year)   | 03/25/2015  |
| Net Weight  | 0.031 kg  |
| <b>Control circuit/ Control</b>   |   |
| control supply voltage at DC rated value  | 11 ... 30 V   |
| operating range factor control supply voltage rated value at DC   |   |
| • initial value   | 1   |
| • full-scale value  | 1   |
| minimum switching voltage when switching on   | 11 V  |
| maximum switching voltage when switching off  | 5 V   |
| ON-delay time   |   |
| • at DC maximum   | 0.2 ms  |
| OFF-delay time maximum  | 0.3 ms  |
| <b>Mechanical data</b>  |   |
| product component plug-in socket  | No  |
| <b>Auxiliary circuit</b>  |   |

|  |   |
|--|---|
| <b>type of switching contact</b>                               | NO contact                                  |
| <b>number of NO contacts for auxiliary contacts</b>            | 1   |
| <b>Main circuit</b>  |   |
| <b>type of voltage</b>   | DC  |
| <b>Inputs/ Outputs</b>   |   |
| <b>property of the output short-circuit proof</b>              | Yes   |
| <b>switching voltage of the semiconductor output at DC</b>     | 10 ... 30 V                                 |
| <b>ampacity of the semiconductor output at DC</b>              | 5 mA  |
| <b>Electromagnetic compatibility</b>                           |   |
| 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>                                  |   |
| • 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  |
| <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                                   |
| <b>Connections/ Terminals</b>                                  |   |
| <b>product function removable terminal</b>                     | No  |
| <b>type of electrical connection</b>                           |   |
| • for auxiliary and control circuit                            | spring-loaded terminals (push-in)           |
| <b>type of connectable conductor cross-sections</b>            |   |
| • 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> )          |
| • finely stranded without core end processing                  | 1x (0.25 ... 2.5 mm <sup>2</sup> )          |
| • for AWG cables solid   | 1x (20 ... 14)                              |
| • for AWG cables stranded                                      | 1x (20 ... 14)                              |
| <b>connectable conductor cross-section</b>                     |   |
| • solid  | 0.25 ... 2.5 mm <sup>2</sup>                |
| • finely stranded with core end processing                     | 0.25 ... 1.5 mm <sup>2</sup>                |
| • finely stranded without core end processing                  | 0.25 ... 2.5 mm <sup>2</sup>                |
| <b>AWG number as coded connectable conductor cross section</b> |   |
| • solid  | 20 ... 14                                   |
| • stranded   | 20 ... 14                                   |
| <b>Installation/ mounting/ dimensions</b>                      |   |
| <b>mounting position</b>                                       | any   |
| <b>fastening method</b>  | snap-on mounting                            |
| <b>height</b>  | 93 mm                                       |
| <b>width</b>   | 6.2 mm                                      |
| <b>depth</b>   | 75 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 |

#### Ambient conditions

|   |                |
|---|----------------|
| installation altitude at height above sea level maximum | 2 000 m        |
| <b>ambient temperature</b>                              |                |
| • during operation                                      | -25 ... +60 °C |
| • during storage  | -40 ... +85 °C |
| • during transport                                      | -40 ... +85 °C |
| relative humidity during operation                      | 10 ... 95 %    |

#### Approvals Certificates

|             |                          |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|

[Environmental Con-  
firmations](#)



EMV

Test Certificates

Maritime application

other



[Type Test Certificates/Test Report](#)



[Confirmation](#)



#### 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=3RQ3065-2SM30>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ3065-2SM30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RQ3065-2SM30>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RQ3065-2SM30&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ3065-2SM30&lang=en)



