



Output coupler Optocoupler 1 NO, Transistor, 24 V DC Output max. 30 V DC, 2 A short circuit-proof Spring-type terminal (push-in) Overall width 6.2 mm Thermal current 2A

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

General technical data

display version LED	Yes
product component	No
• relay output	Yes
• semi-conductor output	0.3 W
consumed active power	50 V
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	2.5 kV
surge voltage resistance rated value	IP20
protection class IP	UL94 V-0
flammability class of enclosure material	shock resistance
shock resistance	• according to IEC 60068-2-27
• according to IEC 60068-2-6	sinusoidal half-wave 15g / 11 ms
vibration resistance	6 ... 150 Hz: 2 g
• according to IEC 60068-2-6	100 Hz
switching frequency	2 A
thermal current	K
reference code according to IEC 81346-2	03/25/2015
Substance Prohibitance (Date)	

Control circuit/ Control

control supply voltage at DC	11 ... 30 V
• rated value	
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	0.3 ms
product component plug-in socket	No

Auxiliary circuit

type of switching contact	NO contact
number of NO contacts for auxiliary contacts	1

Main circuit

type of voltage	DC
Inputs/ Outputs	
property of the output short-circuit proof	Yes
switching voltage of the semiconductor output at DC	10 ... 30 V
ampacity of the semiconductor output at DC	5 mA ... 2 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	spring-loaded terminals (push-in)
wire length	
• at DC maximum	1 000 m
type of connectable conductor cross-sections	
• solid	1x (0.25 ... 2.5 mm ²)
• finely stranded with core end processing	1x (0.25 ... 1.5 mm ²)
• finely stranded without core end processing	1x (0.25 ... 2.5 mm ²)
• at AWG cables solid	1 x (20 ... 14)
• at AWG cables stranded	1x (20 ... 14)
connectable conductor cross-section	
• solid	0.25 ... 2.5 mm ²
• finely stranded with core end processing	0.25 ... 1.5 mm ²
• finely stranded without core end processing	0.25 ... 2.5 mm ²
AWG number as coded connectable conductor cross section	
• solid	20 ... 14
• stranded	20 ... 14
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on mounting
height	93 mm
width	6.2 mm
depth	72.5 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
- during storage
- during transport

-25 ... +60 °C

-40 ... +85 °C

-40 ... +85 °C

relative humidity during operation

10 ... 95 %

Certificates/ approvals

General Product Approval

EMC

**Declaration of
Conformity**



[Confirmation](#)



**Declaration of
Conformity**

Test Certificates

Marine / Shipping

other



[Type Test Certificates/Test Report](#)



[Confirmation](#)

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=3RQ3052-2SM30>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ3052-2SM30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RQ3052-2SM30>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ3052-2SM30&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RQ3052-2SM30/manual>

