SIEMENS

Data sheet 3RQ3052-2SM30



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 product category product designation design of the product product type designation SIRIUS
SIRIUS 3RQ3 coupling relays in slim design
Coupling relays with semiconductor output (not plug-in)
Output coupling link
3RQ3

product type designation	01100
General technical data	
display version LED	Yes
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
protection class IP	IP20
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
switching frequency	100 Hz
thermal current	2 A
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	03/25/2015
Control circuit/ Control	
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	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 due to conductor continue to IEC	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	1 000 111
solid	1x (0.25 2.5 mm²)
 finely stranded with core end processing 	1x (0.25 1.5 mm²)
 finely stranded without core end processing 	1x (0.25 2.5 mm²)
 at AWG cables solid 	1 x (20 14)
 at AWG cables stranded 	1x (20 14)
connectable conductor cross-section	
solid finally extraorded with case and processing.	0.25 2.5 mm ²
finely stranded with core end processingfinely stranded without core end processing	0.25 1.5 mm ² 0.25 2.5 mm ²
AWG number as coded connectable conductor cross	0.20 2.3 11111
section	
• solid	20 14
• stranded	20 14
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on mounting
height width	93 mm 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 partsforwards	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 — downwards	0 mm 0 mm
— downwards — at the side	0 mm
Ambient conditions	
Ambient conditions	

installation altitude at height above sea level maximum

ambient temperature

during operation

• during storage

during transport

relative humidity during operation

2 000 m

-25 ... +60 °C

-40 ... +85 °C -40 ... +85 °C

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

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RQ3052-2SM30}$

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

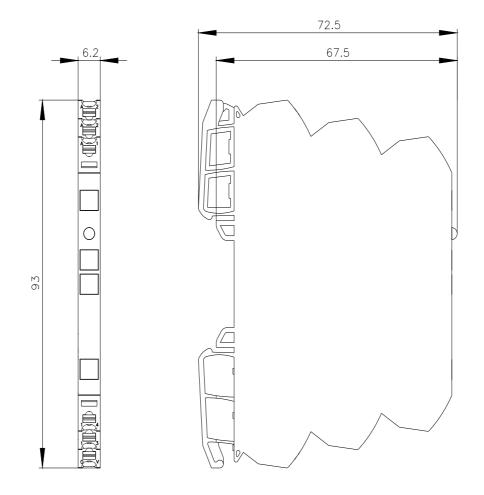
https://support.industry.siemens.com/cs/ww/en/ps/3RQ3052-2SM30

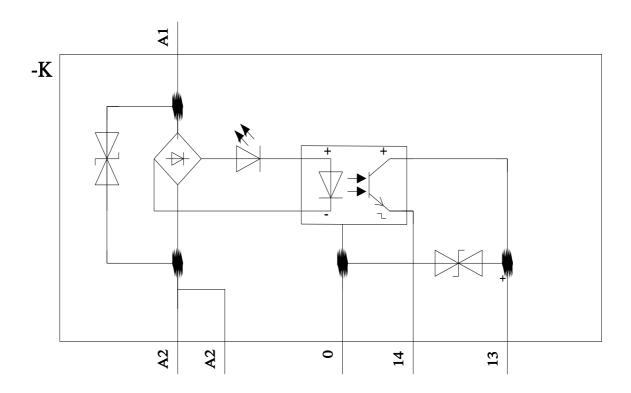
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

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





last modified: 5/6/2021 🖸