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	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	
 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
shock resistance	
• acc. to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
• acc. to IEC 60068-2-6	6 150 Hz: 2 g
switching frequency	100 Hz
thermal current	2 A
reference code acc. to IEC 81346-2	К
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
switch 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
Outputs	
ampacity of the semiconductor output at DC	5 mA 2 A
Electromagnetic compatibility	
EMC emitted interference acc. to IEC 60947-1	ambience A (industrial sector)
EMC immunity acc. to IEC 60947-1	corresponds to degree of severity 3
conducted interference	
 due to burst acc. to IEC 61000-4-4 	2 kV
 due to conductor-earth surge acc. to IEC 61000-4-5 	2 kV
 due to conductor-conductor surge acc. to IEC 61000-4-5 	1 kV
field-based interference acc. to IEC 61000-4-3	10 V/m
electrostatic discharge acc. 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 mm²)
 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
connectable conductor cross-section finely stranded with core end processing	0.25 1.5 mm ²
connectable conductor cross-section finely stranded without core end processing	0.25 2.5 mm ²
 AWG number as coded connectable conductor cross section solid 	20 14
AWG number as coded connectable conductor cross section 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			
- downward	ls	0	mm			
— at the side)	0	mm			
Ambient conditions						
installation altitude at height above sea level maximum		maximum 2	2 000 m			
ambient temperature during operation		-2	-25 +60 °C			
ambient temperature during storage		-4	-40 +85 °C			
ambient temperature during transport		-4	-40 +85 °C			
relative humidity duri	ng operation	10) 95 %			
Certificates/ approval	s					
General Product Ap	oproval			EMC	Declaration of Conformity	
(SP)		EHC	EHC	RCM	<u>Miscellaneous</u>	
Declaration of						

Declaration of Conformity	Marine / Shipping	other		
CE EG-Konf.	DNV-GL	<u>Confirmation</u>		

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





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