SIEMENS

Data sheet 3RQ4050-2SM50



output optocoupler, 24 V DC, 1 NO contact, spring-loaded terminal (push-in), width 6.2 mm, thermal current 3 $\rm A$

product brand name	SIRIUS		
product category	SIRIUS 3RQ4 coupling relay, narrow design		
product designation	Coupling relay with integrated semiconductor output		
design of the product	output coupling link		
product type designation	3RQ4		
General technical data			
display version LED	Yes		
product feature protective coating on printed-circuit board	No		
product component			
 relay output 	No		
semi-conductor output	Yes		
power loss [W] maximum	0.2 W		
consumed active power	0.2 W		
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	100 V		
surge voltage resistance rated value	3 kV		
maximum permissible voltage for protective separation			
 between control and auxiliary circuit 	100 V		
 between control and auxiliary circuit according to IEC 60947-1 	50 V		
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	25 Hz		
thermal current	3 A		
short-time withstand current (lcw) limited to 10 ms	8 A		
reference code according to IEC 81346-2	К		
Substance Prohibitance (Date)	09/26/2024		
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8		
Weight	33 g		
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	0.7		
• full-scale value	1		
design of the surge suppressor at input	Varistor		
design of the surge suppressor at output	Varistor		

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connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded • stranded size of the screwdriver tip 0.25 2.5 mm² 0.25 2.5 mm² 20 14			
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 finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded 14 size of the screwdriver tip 0.25 2.5 mm² 20 14 PZ1 		0.25 2.5 mm²	
finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded stranded size of the screwdriver tip O.25 2.5 mm² 20 14 20 14 PZ1			
AWG number as coded connectable conductor cross section • solid • stranded • stranded 20 14 size of the screwdriver tip PZ1			
section ● solid 20 14 ● stranded 20 14 size of the screwdriver tip PZ1		U.20 2.0 IIIIIF	
● stranded 20 14 size of the screwdriver tip PZ1	section		
size of the screwdriver tip PZ1	• solid		
	• stranded	20 14	
stripped length 10 mm	size of the screwdriver tip	PZ1	
•	stripped length	10 mm	

mounting position		any		
fastening method			on mounting	
height		93 mn		
width		6.2 mr		
depth		84.5 n	nm	
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		-25 +60 °C		
during storage		-40 +85 °C		
during transport		-40 +85 °C		
relative humidity during operation		10 95 %		
Approvals Certificates				
General Product Approval	other		Environment	





Confirmation



Siemens



Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RQ4050-2SM50

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RQ4050-2SM50}$

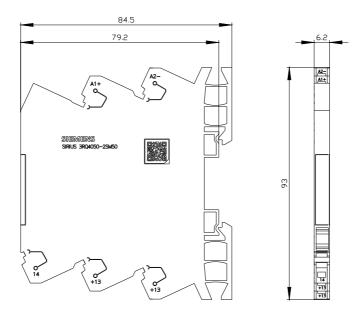
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RQ4050-2SM50

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ4050-2SM50&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RQ4050-2SM50/manual



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