SIEMENS

Data sheet 3RQ2000-2BW00



Coupling relay in industrial enclosure 2 changeover contacts Wide voltage range 24 V to 240 V AC/DC Spring-type terminals

product brand name	SIRIUS
product designation	Coupling relay in industrial enclosure
product type designation	3RQ2
General technical data	
product feature protective coating on printed-circuit board	No
consumed active power	4.5 W
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V
degree of pollution	3
surge voltage resistance rated value	4 kV
maximum permissible voltage for protective separation	
 between auxiliary and auxiliary circuit 	300 V
 between control and auxiliary circuit according to IEC 60947-1 	300 V
protection class IP	IP20
shock resistance	
• according to IEC 60068-2-27	11g / 15 ms
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	
 according to IEC 60068-2-6 	10 55 Hz: 0.35 mm
 for railway applications according to EN 61373 	Category 1, Class B
switching behavior	monostable
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current of the switching element with contacts maximum	5 A
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/31/2018
Control circuit/ Control	
control supply voltage 1 at AC	
● at 50 Hz	24 240 V
• at 60 Hz	24 240 V
control supply voltage 1	
• at DC	24 240 V
operating range factor control supply voltage rated value at DC	
• initial value	0.7
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	

e file Scale Value pertaing range factor control supply voltage rated value at AC at 6 that similat value of the Scale Value 10		
* Initial value * Initial valu	• full-scale value	1.1
• Intitial value 0.7		
• Ill scale value 1.1		0.7
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number of CO contacts for auxiliary contacts contact reliability of auxiliary contacts type of voltage	number of NC contacts for auxiliary contacts	0
contact reliability of auxiliary contacts type of voltage ampacity of the output relay at AC-15 a 12 4 V at 50/60 Hz at 24 V at 50/60 Hz at 25 V at 25 V at 25	number of NO contacts for auxiliary contacts	0
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stripped length of the cable for auxiliary and control contacts Installation/ mounting/ dimensions mounting position any		
Installation/ mounting/ dimensions mounting position any		
*		
fastening method screw and snap-on mounting onto 35 mm DIN rail	mounting position	any
	fastening method	screw and snap-on mounting onto 35 mm DIN rail

height	100 mm
width	22.5 mm
depth	90 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-40 +60 °C
 during storage 	-40 +80 °C
during transport	-40 +80 °C
relative humidity during operation	10 95 %
Certificates/ approvals	

General Product Approval





Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

Railway



Confirmation

Confirmation

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RQ2000-2BW00

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RQ2000-2BW00}$

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

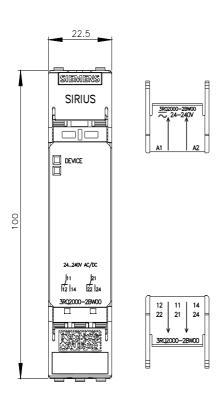
https://support.industry.siemens.com/cs/ww/en/ps/3RQ2000-2BW00

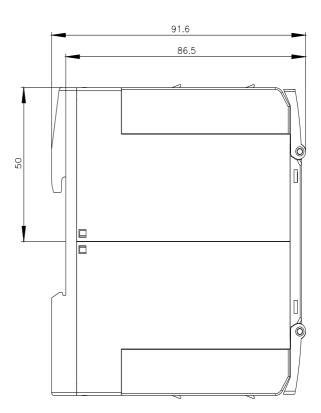
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

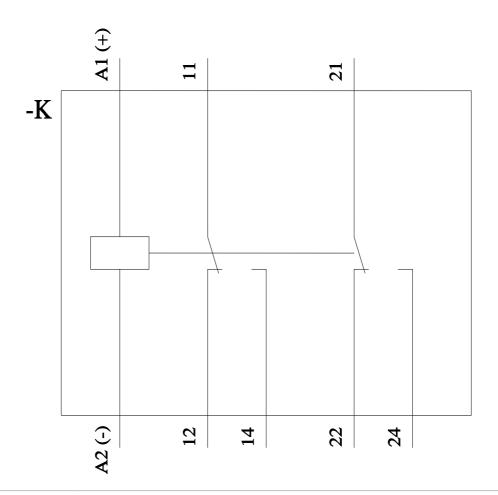
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ2000-2BW00&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RQ2000-2BW00/manual







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