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Data sheet 3RQ0062-0BB40

	plug-in relay Slim 2 CO 8A DC 24 V w/i LED
product category	Plug-in relay in slim design
product designation	Coupling relay with plug-in relay
product type designation	3RQ0
General technical data	
display version LED	Yes
product component	
● semi-conductor output	No
consumed active power	0.53 W
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	250 V
surge voltage resistance rated value	4 kV
shock resistance according to IEC 60068-2-27	Sinusoidal half-wave 10 g / 11 ms
vibration resistance according to IEC 60068-2-6	10 ... 150 Hz: 5 g
mechanical service life (operating cycles) typical	20 000 000
electrical endurance (operating cycles)	
● at AC-1 at 250 V typical	200 000
● at AC-15 at 250 V typical	100 000
thermal current	8 A
Net Weight	12 g
Control circuit/ Control	
control supply voltage at DC rated value	24 V
operating range factor control supply voltage rated value at DC	
● initial value	0.8
● full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
● initial value	0.8
● full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz initial value	0.8
ON-delay time	
● at AC maximum	20 ms
● at DC maximum	20 ms
OFF-delay time maximum	10 ms
Switching Function	
design of the switching function positively driven	No
product component plug-in socket	No
Auxiliary circuit	
type of switching contact	2 Change-over contacts
material of switching contacts	AgSnO2
operational current at AC-15	
● at 250 V rated value	2 A
operational current at DC-13	
● at 30 V rated value	2 A
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (DC 5 V , 10 mA)
Main circuit	
type of voltage	DC
Inputs/ Outputs	
property of the output short-circuit proof	No

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Electromagnetic compatibility	
electromagnetic compatibility	acc. to IEC 61810-1
Display	
display version as status display by LED	LED green
Connections/ Terminals	
product function removable terminal	No
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	32 mm
width	13 mm
Ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
relative humidity during operation	5 ... 85 %

Approvals Certificates

General Product Approval				other
TUEV	UL	EAC	CE EG-Konf.	Confirmation

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RQ0062-0BB40
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ0062-0BB40
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RQ0062-0BB40
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ0062-0BB40&lang=en

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