SIEMENS

Data sheet 3TG1010-0AC2



Figure similar

power relay, AC-3, 8.4 A, 4 kW / 400 V, 3-pole, 24 V AC, 45-450 Hz, auxiliary contacts: 1 NO, screw terminal

consumed active power	4 W
reference code according to IEC 81346-2	K
Substance Prohibitance (day/month/year)	07/01/2006
Net Weight	156 g
ambient temperature during operation	-25 ... +55 °C
number of poles	4
number of NO contacts for main contacts	3
number of NC contacts for main contacts	0
type of voltage	AC
operational current	
● at AC-1 at 400 V rated value	20 A
● at AC-3 at 400 V rated value	8.4 A
● at AC-3e at 400 V rated value	6.4 A
operating power	
● at AC-3 at 400 V rated value	4 kW
● at AC-3e at 400 V rated value	3 kW
control supply voltage at AC	
● at 50 Hz rated value	24 V
● at 60 Hz rated value	24 V
supply voltage frequency for auxiliary and control circuit rated value	45 ... 450 Hz
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	62 mm
width	36 mm
depth	60 mm
type of electrical connection	
● for main current circuit	screw-type terminals
● for auxiliary and control circuit	screw-type terminals
Safety related data	
product function	
● **mirror contact according to IEC 60947-4-1**	No
● **suitable for safety function**	Yes
service life maximum	20 a
proportion of dangerous failures	

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• with low demand rate according to SN 31920	40 %
• with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	400 000
failure rate [FIT] with low demand rate according to SN 31920	100 1/s
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
protection class IP on the front according to IEC 60529	IP00

Approvals Certificates

Environment	General Product Approval
Environmental Confirmations	

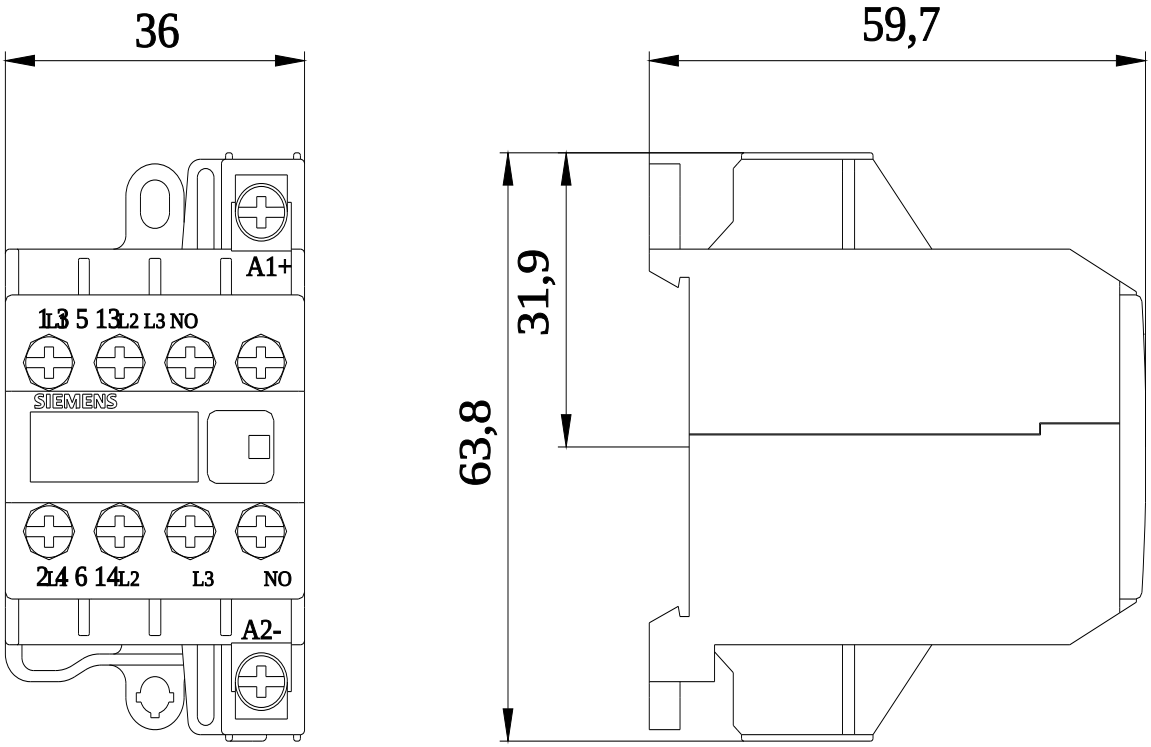
Test Certificates

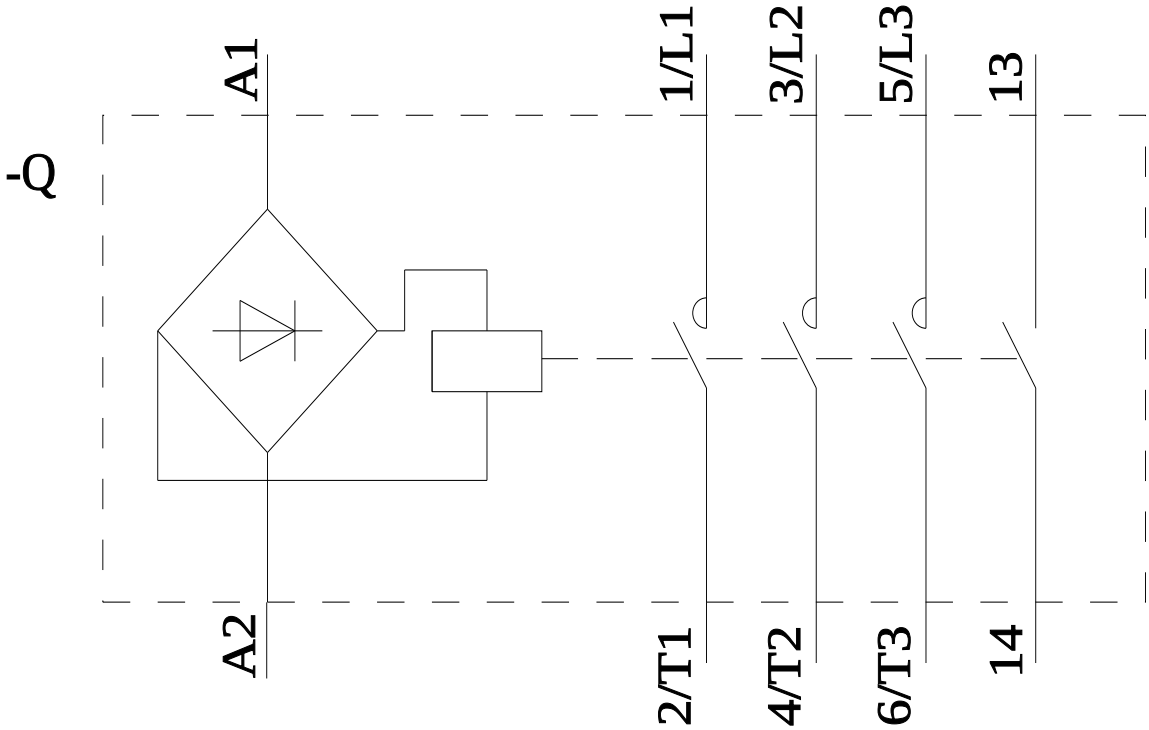
Test Certificates		other		
Special Test Certificate	Type Test Certificates/Test Report	Confirmation	Miscellaneous	

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=3TG1010-0AC2
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3TG1010-0AC2
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TG1010-0AC2&lang=en
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TG1010-0AC2
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