

Solid State Relays

G3TA-ODX02S-US DC24



Image

I/O Solid State Relay, Output module, Photocoupler, Applied output load: 2 A at 5 to 48 VDC, Operating indicator Equipped, Rated voltage: 24 VDC

Product classification	Relay compatible
Operating indicator	Equipped
Rated voltage	24 VDC
Rated load voltage	5 to 48 VDC
Load current	0.01 to 2 A (at 60 °C)
Terminal structure	Plug-in terminal

Ratings / Performance

As of July 25, 2024

Ratings

Product classification		Relay compatible
Isolation method		Photocoupler
Operating indicator		Equipped
Terminal structure		Plug-in terminal
Mounting		Socket
Case color		Black
Input	Rated voltage	24 VDC
	Operating voltage range	19.2 to 26.4 VDC
	Input impedance	6.5 kΩ±20%
	Operate voltage	19.2 V max.DC
	Release voltage	2 V min.DC
Output	Rated load voltage	5 to 48 VDC
	Load voltage range	4 to 60 VDC
	Load current	0.01 to 2 A (at 60 °C)
	Inrush current resistivity	12 A (10 ms)

Performance

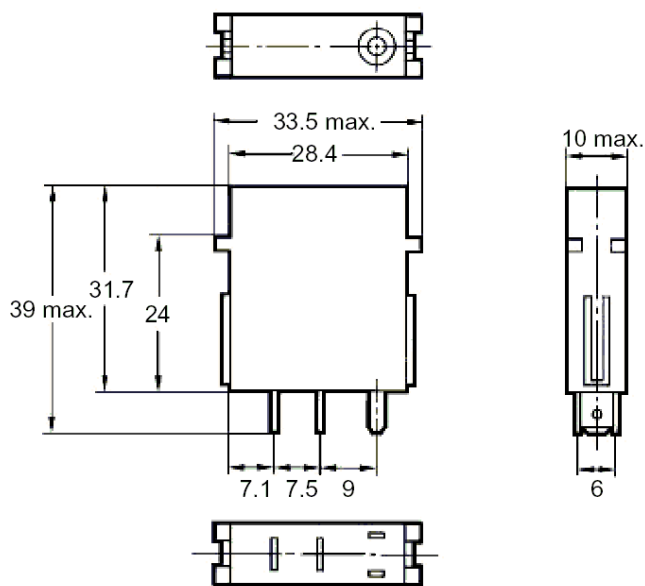
Operate time	0.5 ms max.
Release time	2 ms max.
Output ON voltage drop	1.6 V max.
Leakage current	1 mA max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	Between input and output: 4000 VAC 50/60 Hz 1 min
Vibration resistance	10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm double amplitude)

Shock resistance	1000 m/s ²
Ambient temperature (Operating)	-30 to 80 °C (with no freezing or condensation)
Ambient temperature (Storage)	-30 to 100 °C (with no freezing or condensation)
Ambient humidity (Operating)	45 to 85 %
Weight	Approx. 23 g
Other feature	Certified by UL, and CSA
Connecting socket	P7TF-05

As of July 25, 2024

Outline drawing

As of July 25, 2024



As of July 25, 2024

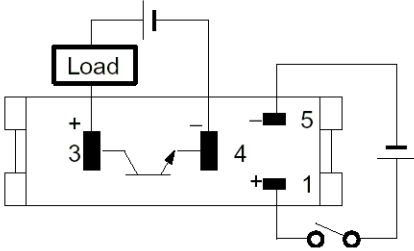
Connection diagram

As of July 25, 2024

External connections

G3TA-OD

Load power supply

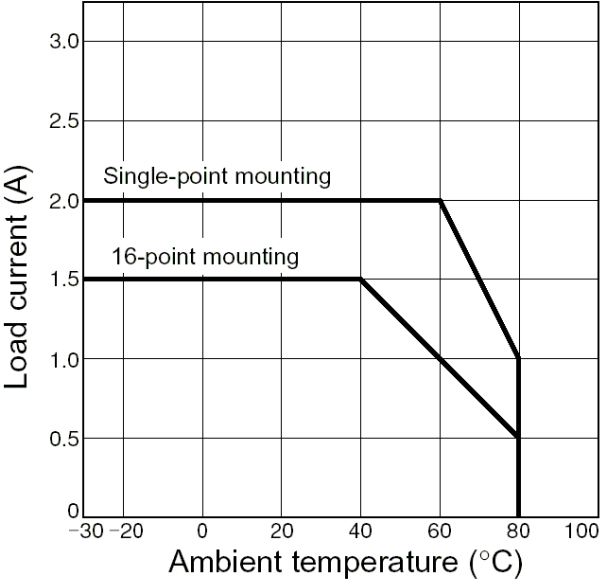


As of July 25, 2024

Characteristic chart

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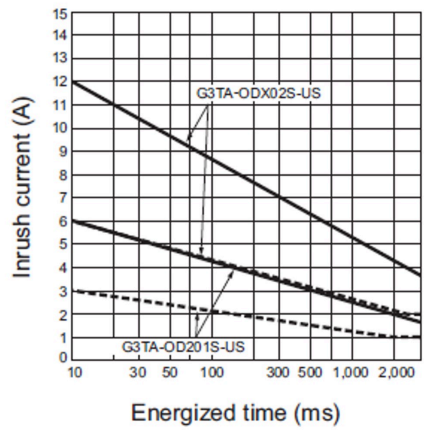
Load current-ambient temperature



Inrush current resistivity (Non-repetitive)

Non-repetitive (Keep the inrush current to half the rated value if it occurs repetitively.)

G3TA-ODX02S/OD201S-US



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