

I/O Solid State Relays

G3R-IAZR1SN AC100-240



Image

Input: 100 to 240 VAC, Output: 4 to 32 VDC, Load current: 0.1 to 100 mA, Plug-in terminal

Product classification	Relay compatible
Operating indicator	Equipped
Rated voltage	100 to 240 VAC
Rated load voltage	4 to 32 VDC
Load current	0.1 to 100 mA
Terminal structure	Plug-in terminal

Ratings / Performance

As of April 14, 2021

Ratings

Product classification		Relay compatible
Isolation method		Photocoupler
Operating indicator		Equipped
Terminal structure		Plug-in terminal
Mounting		Socket
Input	Rated voltage	100 to 240 VAC
	Operating voltage range	60 to 264 VAC
	Input current	15 mA max.
	Operate voltage	60 VAC max.
	Release voltage	20 VAC min.
Output	Rated load voltage	4 to 32 VDC
	Load current	0.1 to 100 mA

Performance

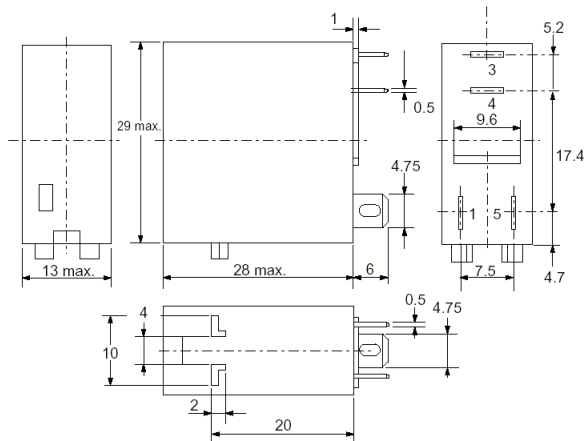
Operate time	20 ms max.
Release time	20 ms max.
Output ON voltage drop	1.6 V max.
Leakage current	5 μA max.
Insulation resistance	Between input and output: 100 MΩ min.
Dielectric strength	Between input and output: 4000 VAC 1 min
Vibration resistance	10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm 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% RH
Weight	Approx. 18 g

As of April 14, 2021

Outline drawing

As of April 14, 2021

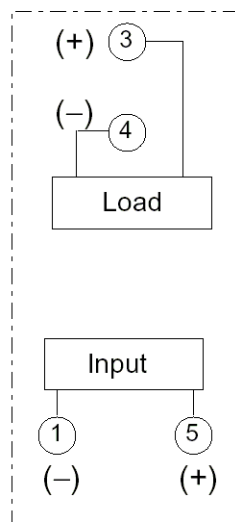


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Connection diagram

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Terminal arrangement and internal connection



As of April 14, 2021

