

Product Category

Relays

Solid-state Relays

Socket / Plug-in Type

G3F / G3FD

Item list

Product Category

A to Z Index

Applications

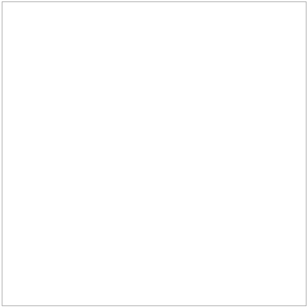
Cautions

Solid State Relays G3[-VD

G3FD-102SN DC5-24

about this Product Family

Inquiry of this Product



CG Image [3D-CAD]

Photocoupler Isolation , For DC Output , With Indicator

Ratings / Performance

Dimensions

Terminal arrangement-Internal connection

Characteristic figure

As of April 11, 2013

Ratings

Product classification	Relay compatible Solid State Relay
Operating Rated Voltage	5 to 24 VDC
Operating Voltage Range	4 to 28 VDC
Input Impedance	1.5 kOhm +20% -10% (at 25 CEL)
Must Operate Voltage	4 VDC Max
Must Release Voltage	1 VDC Mn.
Isolation	Photocoupler
Output Form	SPST-NO
Rated load voltage	5 to 110 VDC
Load Voltage Range	3 to 125 VDC
Load Current	DC: 0.1 A to 2 A (at 40 CEL)
Inrush Current Resistivity	DC: 10 A (10 ms)
Output ON voltage drop	1.5 V Max.
Leakage current	0.1 mA Max. (at 100 VDC)
Ambient temperature	Operating: -30 to 80 CEL Storage: -30 to 100 CEL (with no icing or condensation)
Ambient humidity	Operating: 45 to 85% RH (with no icing or condensation)

Characteristics

Operate time	0.5 ms Max.
Release time	2.5 ms Max.
Protection for output	Diode
Indicator	Equipped
Insulation resistance	Between input to output: 100 MOhm Mn. (at 500 VDC)
Dielectric strength	Between input to output: 1500 VAC 50/60 Hz for 1 min
Vibration resistance	10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm double amplitude) in each 3 directions for 2 hours
Shock resistance	1000 m/s**2, in each 6 directions 3 times
Terminal structure	Plug-in
Mounting	Socket
Weight	Approx. 50 g

As of April 11, 2013

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