



**Electric Automation**  
Automation specialists

Reference: RGC1FA23D20GGE

CATEGORY CURRENT NOMINAL 11-25 ACA  
NOMINAL VOLTAGE 230 VAC MODE SWITCHING  
OUTPUT Zero crossing NUMBER OF PHASES 1  
CONTROL CC - DIGITAL POWER CONNECTION Box  
Clamp MODEL static switch with integrated fuse  
Other DATA INTENSITY 20 AAC at 40 ° C ( 104 ° F)  
INPUT CONTROL 3-32 VDC PRODUCT WIDTH  
35mm

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## Solid State Relays

1-Phase with Heatsink and Integrated Fuse

Type RGC1F

- 35mm product width
- Solid state contactor with integrated fuse
- AC zero cross switching
- Operational voltage: up to 600 VAC
- Rated load currents of 20 AAC, 30 AAC and 40 AAC
- Control voltage: 4.5 - 32 VDC
- Integrated voltage transient protection with varistor
- Detection of SSR and load malfunction (RGC1FS)
- Alarm output signal (RGC1FS)
- 100 kA short circuit current rating

Product Description Ordering Key

RGC 1 F A 60 D 30 GG E

This solid state contactor includes three functions in one housing: power switching, short circuit protection by semiconductor fuse and system monitoring. RGC1FA is the version including the power switch.

The front panel can be opened for easy access of the fuse and the fuse holder accepts fuses from a wide range of manufacturers. Alarms (in RGC1FS) are indicated by a red LED on the front and a signal which is normally closed. Product width > 35mm for the whole range and covers up to 600 VAC and 40 AAC. Specifications stated at 25°C unless specified.

Solid state relay Number of poles Integrated fuse Switching mode

Rated operational voltage

Control voltage

Rated operational current

Connection type for control and power

Output connection configuration

Type Integrated Mode RatedControl Rated Connection Connection fusevoltage  
voltage current control/ powerconfiguration

RGC1 F A: Zero cross23: 230VACD: 3 or 20: 20AACG: Box Clamp E: Contactor  
switching + fuse 60: 600VAC4.5 - 32VDC30: 30AAC

+ fuse holder 40: 40AAC

Warning

- Risk of electric shock

S: Zero cross switching

+ fuse + fuse holder

+ system monitoring

- Do not open fuse panel when the product is in operation

- Switch off the panel before doing any maintenance on the product. Panel should be closed before restarting operation.

- Failure to follow these instructions may result in serious injury (or worse) and/or equipment damage

Selection Guide

Rated output voltage Options Control voltage Rated operational current at 40°C

20 AAC30 AAC 40 AAC

230VAC Fuse Only3 -32VDC RGC1FA23D20GGERGC1FA23D30GGE RGC1FA23D40GGE

600VAC Fuse Only4.5 -32VDCRGC1FA60D20GGERGC1FA60D30GGE

RGC1FA60D40GGE

230VAC Fuse +Sensing 3 - 32VDCRGC1FS23D20GGERGC1FS23D30GGE

RGC1FS23D40GGE

600VAC Fuse +Sensing 4.5 -32VDCRGC1FS60D20GGERGC1FS60D30GGE

RGC1FS60D40GGE

Specifications are subject to change without notice (14.03.2014) 1