

RGC1FS

	Indication LED										
	Control OFF	Control ON	Line Voltage Loss	Line Voltage Loss	Heater Break	Power Supply Loss	Power Supply Loss	SSR open circuit	SSR short circuit	SSR short circuit	Open Fuse
Line voltage (1 L1)											
Load current (2 T1)											
Control voltage, Uc (IN)											
Control/ Supply LED (Green)	Full Intensity	Half Intensity									
Power Supply, Us (A1, A2)											
Fault LED (Red)											
Alarm signal (Normally closed) (OUT)											
Normal operation. SSR off	Normal operation. SSR on	Line voltage loss detected without control voltage, i.e. when SSR output is switched off	Line voltage loss detected with control voltage applied, i.e. when SSR output is switched on	Heater break is detected when the control is applied.	All function stops due to loss of power supply.	All function stops due to loss of power supply, even when a control voltage is applied.	If SSR output does not switch ON when control voltage is applied an alarm condition results.	Shorted output is detected even when the control is not applied. Output would be conducting when it should be in the OFF-state.	Shorted output is detected when the control is not applied. Output would be conducting when it should be in the OFF-state.	If fuse blows alarm signal is emitted from OUT terminal and the OPEN FUSE LED will also light up.	

Note:
• Half light intensity Green LED to indicate application of power supply. Full brightness to indicate presence of control input.
• Faults indicated by a continuous lighting RED LED.
• Auto-reset function. The alarm signal turns OFF and SSR proceeds normal operation when alarm condition is no longer present.

Bemærk!
• Grøn LED-lyst med halv intensitet indikerer anvendelse af strømforsyning. Fuld lysstyrke indikerer tilstede værelsen af kontrolindgangen.
• Fejl indikeres ved et konstant lysende rød LED-lys.
• Automatisk nulstilling funktion. Alarmsignalet slås FRA, og SSR fortsætter normal drift, når alarmlstanden ikke længere er tilstede.

Hinweis:
• Die halbe Intensität der grünen LED zeigt an, dass die Versorgungsspannung angelegt wurde. Die volle Helligkeit zeigt das Vorhandensein der Steuerung an.
• Fehler werden durch eine dauerhaft leuchtende rote LED angezeigt.
• Auto-Reset-Funktion. Das Alarmsignal wird AUSGESCHALTET und das SSR kehrt zum Normalbetrieb zurück, wenn die Ursache des Alarms beseitigt wurde.

Short Circuit Protection | Kortslutningsbeskytte | Kurzschlusschutz | Protection au court-circuit | Protección contra cortocircuitos | Protezione da cortocircuito | Защита от короткого замыкания | 短路保护

UL508 Co-ordination Type 1: For UL applications, an external Class J fuse (or equivalent) shall be installed. Suitable For Use On A Circuit Capable Of Delivering Not More Than 100,000 Arms Symmetrical Amperes, 600 Volts Maximum when Protected by Class J Fuses. Use Fuses Only.

Koordinationsotyp 1 (UL508): För UL-applikationer, skal en extern klasse J sikring (eller motsvarande) användas. Välge att brug på et kredsløb med en ydelse på højst 100,000 A kvadratordsværdi symmetrisk amper, 600 V maksimalt når beskyttet med klasse J sikringer. Brug kun sikringer.

Koordinationsotyp 1 (UL508): Bei Anwendungen nach UL-Standart ist die Installation einer zusätzlichen Sicherung Klasse J (oder gleichwertig) notwendig. Geeignet für die Verwendung in Schaltkreisen, die höchstens 100.000 Arms symmetrische Ampere bei maximal 600 Volt liefern, wenn durch J-Sicherungen geschützt. Nur Sicherungen verwenden.

Part number	Max. Fuse Size [A]
RGC1F.20	Class J or Class CC, 600VAC, 30A
RGC1F.30	Class J or Class CC, 600VAC, 30A

SSR Protection Co-ordination Type 2* | Koordinationsotyp 2* | Koordinationsotyp 2* | Type de Coordination 2* | Tipo de coordinación 2* | Coordinamento tipo 2* | Тип защитной координации TTP 2* | SSR 保护二类配合*

Part number	SIBA Fuse, Max. Size [A]	Cooper Bussman, Max. Size [A]
RGC1F.20	50 124 34.25, 600VAC, 25A	FWP- 25A14F, 600VAC, 25A
RGC1F.30	50 124 34.30, 600VAC, 30A	FWP- 30A14F, 600VAC, 30A
RGC1F.40	50 124 34.40, 600VAC, 40A	FWP- 40A14F, 600VAC, 40A

* with integrated semi-conductor fuses | * Med integrerede halvleder-sikringer. | * Mit integrierter Halbleitersicherung. | * con fusibles para protección de semiconductores integrados. | * avec fusible type semi-conducteur intégré | * con fusibili a semiconduttore integrati | * с встроенным полупроводниковым предохранителем | *带集成半导体熔断器

RGC1F

Solid State Contactor with Integrated Fuse



Dimensions (mm) | Dimensioner (mm) | Abmessungen (mm) | Dimensions (mm) | Dimensiones (mm) | Dimesioni (mm) | Размеры (мм) | 尺寸(毫米)

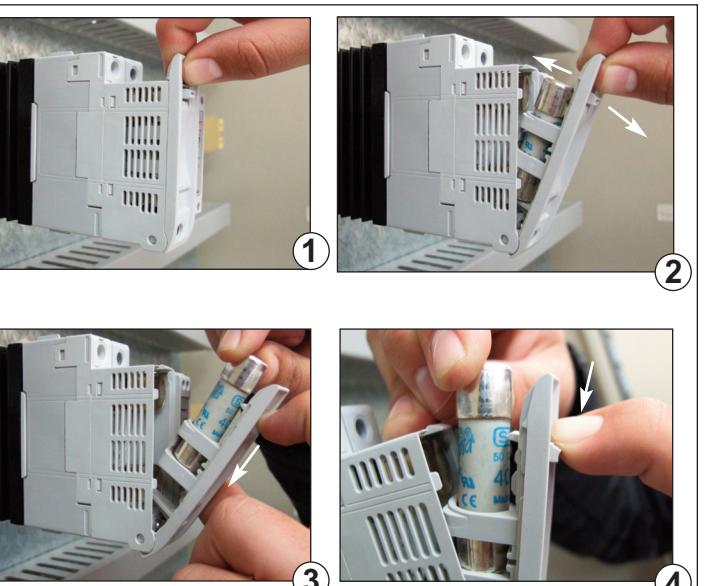


CARLO GAVAZZI LTD
BLB042, Bulebel Industrial Estate
Zejtun ZT 3000, Malta
www.gavazziautomation.com
info@gavazziautomation.com
info: +356 23601.100
fax: +356 23601.111

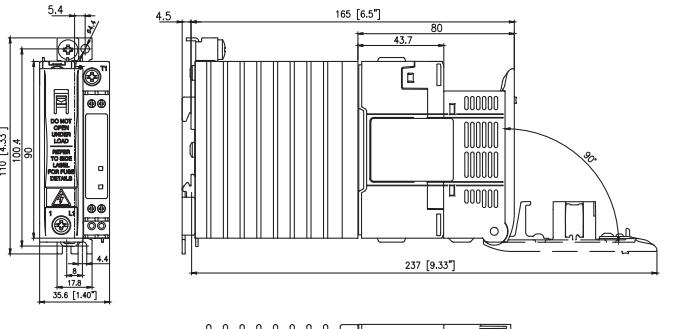
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- Operating Instructions • Kom godt i gang
- Betriebsanleitung • Notice d'utilisation
- Instrucciones • Istruzioni d'uso
- Руководство по эксплуатации • 操作说明

Fuse Changing Instructions | Vejledning til udskiftning af sikringer | Anweisungen zum Wechsel der Sicherung | Instructions de remplacement du fusible | Instrucciones para cambiar el fusible | Istruzioni per la Sostituzione del Fusibile | Замена предохранителя | 熔断器更换说明

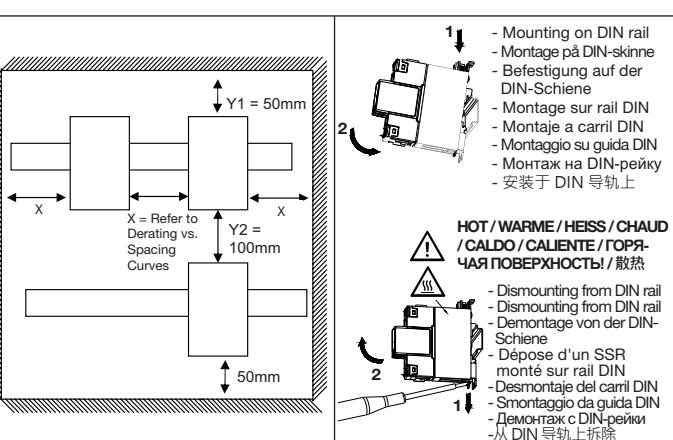


- Preparation for opening fuse holder.
 - Opening or closing the fuse holder.
 - Removal or Insertion of fuse.
 - Pressing downwards the fuse-holding clip to insert or remove the fuse
- Apertura alleggio del fusibile.
 - Apertura e chiusura alleggio del fusibile.
 - Inserimento del fusibile.
 - Premere in basso il fusibile e chiudere l'alloggiamento.
- Подготовка к вскрытию держателя предохранителя.
 - Открытие/закрытие держателя предохранителя.
 - Извлечение/установка предохранителя.
 - Отжатие вниз защелки держателя предохранителя для установки/извлечения предохранителя
- 准备打开熔断器座。
 - 打开或关闭熔断器座。
 - 取出或插入熔断器。
 - 按下熔断器固定夹以插入或取出熔断器



Fuse is included in product. M5 PE screw not provided with SSR. PE connection required when product is intended to be used in Class 1 applications according to EN/IEC 61140. | Sikring er inkludert i produktet. Beskyttende skrueterminal M5 til jordforbindelse leveres ikke med SSR. Maks. tilspændingsmoment er 1,5 Nm (13,3 lb-tommer) | Sikringen er inkludert i produktet. Die Schraube M5 für den Schutzleiteranschluss gehört nicht zum Lieferumfang. Der max. Drehmoment beträgt 1,5 Nm | El. fusible está incluido en el producto. El terminal de tornillo M5 con protección de tierra no se incluye con el relé estático. El par de apriete máximo es de 1,5Nm | Le fusible est intégré dans le produit. Borne de terre à vis M5 non fournie avec le relais statique. Couple de serrage max. de 1,5Nm (13,3lb-in) | Fusibile incluso nel prodotto. Protezione di terra con morsetto a vite M5 non fornita con SSR. Coppia di serraggio massima 1,5 Nm (13,3lb-in) | Предохранитель входит в состав продукта. ВинтыM5 PE не поставляются с SSR | 保险丝包含在产品中。未提供SSR的M5 PE螺丝

Mounting | Montering | Befestigung | Montaje | Montage | Montaggio | Монтаж | 安装



Connection Diagram | Forbindelsesdiagram | Anschlussbelegung | Diagrama de conexiones | Schémas des connexions | Schema di collegamento | Подключение кольцевыми кабельными наконечниками | 环形端子的连接

