Certificate of Compliance

Certificate:	70018805	**Master Contract:**	204075
Project:	80211517	**Date Issued:**	2024-07-30

Issued to: **Carlo Gavazzi Ltd.**
BLB042 Bulebel Ind. Estate
Zejtun, Zejtun ZTN3000
Malta

Attention: Shana Atkins

The products listed below are eligible to bear the CSA Mark shown

Issued by: *Majid Ali*
Majid Ali

PRODUCTS

Class 3211 07 INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus

Solid state relays, for AC general use

Model(s)	Cat No	Max. Current (A)	Max. Current (A)
Cat Nos. RF, followed by 1, followed by A or B, followed by 23, followed L, M or D, followed by 25, maybe followed by suffixes.	RF1x23z25	25 A (@ 40°C Surrounding Air Temp.)	10 A (@ 80°C Surrounding Air Temp.)

Electrical Specifications:

Output ratings:

Cat. No.	x designator	z designator	Max. current rating @ 40°C Surrounding Air Temp.	Max. current rating @ 80°C Surrounding Air Temp.
RF1x23z25	A or B	L, M or D	25 A	10 A

Note: Linear Interpolation shall be used to calculate the value of the maximum current rating at a given temperature (Surrounding Air

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Temperature) between 40°C and 80ºC.

Control (input) ratings:

Model		Control voltage (input voltage)	Maximum control current (input current)
RF1Ax	Control terminals A1, A2	L - 4.25 to 9 V dc (Class 2) M - 9 to 18 V dc (Class 2) D -18 to 28.8 V dc (Class 2)	L - 16.5 mA M - 12.5 mA D - 13 mA
RF1Bx	Control terminals A1, A2	L - 4.5 to 9 V dc (Class 2) M – 11 to 18 V dc (Class 2) D – 18 to 28.8 V dc (Class 2)	L -18.5 mA M - 12.5 mA D -13 mA

Endurance ratings: 100,000 cycles

Heatsink:

Model	Thermal Resistance	Heatsink reference no.
RF1x23z25	<1.5K/W	RHS90A – please refer to Illustration No. 2

Notes:

1. Model designation is completed with digits indicating electrical and mechanical details.
2. The terminals are suitable for factory wiring only.
3. The current rating may vary depending on the external heat sink recommended by manufacturer according to the derating curve provided with each relay.
4. These devices are certified as open type components where the suitability of the combination, in the final application, is determined by CSA Group.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 14-18+Upd.1 (Thirteenth Edition)(R2022) - Industrial control equipment - Thirteenth Edition; Update No. 1: June 2022

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