

Certificate of Compliance

Certificate: 2684161

Master Contract: 266855

Project: 80230875

Date Issued: October 30, 2024

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

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



Issued by: *Tabitha J. Meeks*
Tabitha J. Meeks

PRODUCTS

CLASS – 3211 07 INDUSTRIAL CONTROL EQUIPMENT Miscellaneous Apparatus

- Relays, component, open type, magnetically operated, single-pole, RSLM Series, electrical ratings as follows:

Contact	A	HP	Vac	Vdc	Use	°C	Cycles	Material	Pilot Duty
Type 100	6	--	277	--	Gen.	85	20 k	AgSnO2	B300, R300 @ 85°C 6 k cycles, or C300, R300 at room temperature 30 k cycles
	6	--	277	--	Resistive	85	60 k	AgSnO2	
	6	--	--	30	--	85	60 k	AgSnO2	
	8	--	277	--	Resistive	85	10 k	AgSnO2	
Type 001, NO	6	--	277	--	Gen.	85	20 k	AgSnO2	B300, R300 @ 85°C 6 k cycles, or C300, R300 at room temperature 30 k cycles
	6	--	277	--	Resistive	85	30 k	AgSnO2	
	6	--	--	30	--	85	30 k	AgSnO2	
	8	--	277	--	Resistive	85	10 k	AgSnO2	
Type 001, NC	6	--	277	--	Gen.	85	10 k	AgSnO2	B300, R300 @ 85°C 6 k cycles
	6	--	--	30	--	85	10 k	AgSnO2	



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Coil: 3 – 60 VDC at surrounding air temperature 85 °C.

NOMENCLATURE:

<u>RSLM</u>		<u>100</u>	-	<u>012</u>						
I		II		III		IV	V	VI	VII	VIII

- I - Series Name: RSLM Series
- II - Contact Configuration:
 - 100 – 1 Form A (NO).
 - 001 – 1 Form C (NO and NC)
- III - Coil Voltage: 12 through 60 V dc
- IV - PCB Vertical
- V - Construction: Sealed
- VI - Contact Material: - AgSnO2
- VII - Contact Plating: No Plating
- VIII - Not used

Note:

These units are open-type devices and certified only for use in complete assemblies where the suitability of the combination is to be determined.

APPLICABLE REQUIREMENTS

CSA-C22.2 No. 14-13 - Industrial Control Equipment

- Relay, open type, models: RMIA2105VDC, RMIA2106VDC, RMIA21012VDC, RMIA21024VDC, RMIA21048VDC, RMIA21060VDC, RMIA210110VDC, RMIA2106VAC, RMIA21012VAC, RMIA21024VAC, RMIA21048VAC, RMIA210115VAC, RMIA210230VAC

ELECTRICAL RATINGS:

AgCdO Contact:

- 7 A, 250 V ac Resistive, 100,000 cycles.
- 7 A, 30 V dc Resistive, 100,000 cycles.

AgSnO2 Contact:

- 7 A, 250 V ac Resistive, 100,000 cycles.
- 7 A, 30 V dc Resistive, 100,000 cycles.

AgNi Contact:

- 7A or 5A, 277Vac Resistive, 100,000 cycles.
- 7A or 5A, 30Vdc Resistive, 100,000 cycles.



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- Relay, open type, models: RMIA455VDC, RMIA456VDC, RMIA4512VDC, RMIA4524VDC, RMIA4548VDC, RMIA4560VDC, RMIA45110VDC, RMIA456VAC, RMIA4512VAC, RMIA4524VAC, RMIA4548VAC, RMIA45115VAC, RMIA45230VAC, RMIA4524VDC/4/6, RMIA45110VDC/3, RMIA45230VAC/4, RMIA4524VAC/4, RMIA45230VAC/5, RMIA4524VAC/5, RMIA45115/120VAC3, RMIA4524VDC/4, RMIA210115/120VAC, RMIA45115/120VAC

ELECTRICAL RATINGS:

AgCdO Contact:

- 5 A, 250 V ac Resistive, 100,000 cycles.
- 5 A, 30 V dc Resistive, 100,000 cycles.

AgSnO₂ Contact:

- 6A, 250 V ac Resistive, 100,000 cycles.
- 6A, 30 V dc Resistive, 100,000 cycles.

AgNi Contact:

- 6A or 3A, 277Vac Resistive, 100,000 cycles.
- 6A or 3A, 30Vdc Resistive, 100,000 cycles.

Notes:

- These devices should be used within their Recognized ratings as specified above.
 - Open type devices should be mounted in enclosures having adequate strength and thickness and in the intended manner with acceptable spacing provided.
 - The terminals are to be factory wired only and the suitability of the connection (including spacing between factory connectors) shall be determined.
 - The spacing from the exposed live metal parts to the enclosure walls shall be in accordance with the requirements of the overall equipment.
- Relay, open type, models: RCP110036VDC, RCP1100312VDC, RCP1100324VDC, RCP1100348VDC, RCP1100360VDC, RCP11003110VDC, RCP1100312VAC, RCP1100324VAC, RCP1100348VAC, RCP11003230VAC, RCP1100324VDC/1/3/4, RCP1100324VDC/8

ELECTRICAL RATINGS:

AgCdO:

- 10 A, 250 V ac, Resistive, 100,000 cycles, NO+NC.
- 10 A, 30 V dc, Resistive, 100,000 cycles, NO+NC.
- 10 A (NO) / 5 A (NC), 250 V ac, Resistive, 100,000 cycles.
- 10 A (NO) / 5 A (NC), 30 V dc, Resistive, 100,000 cycles.
- 1/3 HP (3.6 A FLA), 240 V ac, 1,000 cycles, NO+NC.
- 1/3 HP (7.2 A FLA), 120 V ac, 1,000 cycles, NO+NC.
- 1/2 HP (4.1 A FLA), 277 V ac, 1,000 cycles, NO+NC.



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AgSnO₂:

10 A, 250 V ac, Resistive, 100,000 cycles, NO+NC.
10 A, 30 V dc, Resistive, 100,000 cycles, NO+NC.
10 A (NO) / 5 A (NC), 250 V ac, Resistive, 100,000 cycles.
10 A (NO) / 5 A (NC), 30 V dc, Resistive, 100,000 cycles.
1/3 HP (3.6 A FLA), 240 V ac, 5,000 cycles, NO+NC.
1/3 HP (7.2 A FLA), 120 V ac, 5,000 cycles, NO+NC.
1/2 HP (4.1 A FLA), 277 V ac, 5,000 cycles, NO+NC.

- Relay, open type, models: RCP800212VDC, RCP800224VDC, RCP800248VDC, RCP800260VDC, RCP8002110VDC, RCP80026VAC, RCP800212VAC, RCP800224VAC, RCP800248VAC, RCP8002230VAC

AgSnO₂:

10 A, 250 V ac, Resistive, 100,000 cycles, NO+NC.
10 A, 30 V dc, Resistive, 100,000 cycles, NO+NC.
1/3 HP (3.6 A FLA), 240 V ac, 1,000 cycles, NO+NC.
1/3 HP (7.2 A FLA), 120 V ac, 1,000 cycles, NO+NC.
1/2 HP (4.1 A FLA), 277 V ac, 1,000 cycles, NO+NC.
5 A, 150 V dc, Resistive, 10,000 cycles, NO.
2 A, 150 V dc, Resistive, 10,000 cycles, NC.

Coil Voltage: 6-220 V dc
6-240 V ac

NO – Normally open
NC – Normally closed

Notes:

1. These devices should be used within their electrical ratings as specified above.
 2. Open type devices should be mounted in enclosures having adequate strength and thickness and in the intended manner with acceptable spacing provided.
 3. The terminals are to be factory wired only and the suitability of the connection (including spacing between factory connectors) shall be determined.
 4. The spacing from the exposed live metal parts to the enclosure walls shall be in accordance with the requirements of the overall equipment.
 5. The endurance test for models AgSnO₂, 3Z, hp ratings of 1/3 HP (3.6 A FLA), 240 V ac; 1/3 HP (7.2 A FLA), 120 V ac; 1/2 HP (4.1 A FLA), 277 V ac was conducted under the test condition of 0.5s on/0.5s off for the first 1,000 cycles and 1s on/9s off for the remnant 9,000 cycles. The suitability shall be determined for end use application.
- Relay, open type, models: RCP80026VDC, RCP8002100VDC, RCP8002115VAC, RCP8002120VAC, RCP11003100VDC, RCP110036VAC, RCP11003115VAC, RCP11003120VAC.



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ELECTRICAL RATINGS:

AgCdO, 3Z:

10 A, 250 V ac, Resistive, 100,000 cycles, NO+NC.
10 A, 30 V dc, Resistive, 100,000 cycles, NO+NC.
10 A (NO) / 5 A (NC), 250 V ac, Resistive, 100,000 cycles.
10 A (NO) / 5 A (NC), 30 V dc, Resistive, 100,000 cycles.
1/3 HP (3.6 A FLA), 240 V ac, 1,000 cycles, NO+NC.
1/3 HP (7.2 A FLA), 120 V ac, 1,000 cycles, NO+NC.
1/2 HP (4.1 A FLA), 277 V ac, 1,000 cycles, NO+NC.

AgSnO₂, 3Z:

10 A, 250 V ac, Resistive, 100,000 cycles, NO+NC.
10 A, 30 V dc, Resistive, 100,000 cycles, NO+NC.
10 A (NO) / 5 A (NC), 250 V ac, Resistive, 100,000 cycles.
10 A (NO) / 5 A (NC), 30 V dc, Resistive, 100,000 cycles.
1/3 HP (3.6 A FLA), 240 V ac, 5,000 cycles, NO+NC.
1/3 HP (7.2 A FLA), 120 V ac, 5,000 cycles, NO+NC.
1/2 HP (4.1 A FLA), 277 V ac, 5,000 cycles, NO+NC.

AgSnO₂, 2Z:

10 A, 250 V ac, Resistive, 100,000 cycles, NO+NC.
10 A, 30 V dc, Resistive, 100,000 cycles, NO+NC.
1/3 HP (3.6 A FLA), 240 V ac, 1,000 cycles, NO+NC.
1/3 HP (7.2 A FLA), 120 V ac, 1,000 cycles, NO+NC.
1/2 HP (4.1 A FLA), 277 V ac, 1,000 cycles, NO+NC.
5 A, 150 V dc, Resistive, 10,000 cycles, NO.
2 A, 150 V dc, Resistive, 10,000 cycles, NC.

AgSnO₂, QZ:

10 A, 250 V ac, Resistive, 100,000 cycles, NO+NC.
10 A, 30 V dc, Resistive, 100,000 cycles, NO+NC.
5 A, 220 V dc, Resistive, 10,000 cycles, NO.
2 A, 220 V dc, Resistive, 10,000 cycles, NC.

AgSnO₂, QH:

10 A, 250 V ac, Resistive, 100,000 cycles, NO.
10 A, 30 V dc, Resistive, 100,000 cycles, NO.
5 A, 220 V dc, Resistive, 10,000 cycles, NO.

Coil Voltage: 6-220 V dc
6-240 V ac

NO – Normally open
NC – Normally closed



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Notes:

1. These devices should be used within their electrical ratings as specified above.
 2. Open type devices should be mounted in enclosures having adequate strength and thickness and in the intended manner with acceptable spacing provided.
 3. The terminals are to be factory wired only and the suitability of the connection (including spacing between factory connectors) shall be determined.
 4. The spacing from the exposed live metal parts to the enclosure walls shall be in accordance with the requirements of the overall equipment.
 5. The endurance test for models AgSnO₂, 3Z, hp ratings of 1/3 HP (3.6 A FLA), 240 V ac; 1/3 HP (7.2 A FLA), 120 V ac; 1/2 HP (4.1 A FLA), 277 V ac was conducted under the test condition of 0.5s on/0.5s off for the first 1,000 cycles and 1s on/9s off for the remnant 9,000 cycles. The suitability shall be determined for end use application.
- Relay Sockets, detailed models and electrical ratings as follow table:

Relay Socket Model Designation	Ratings (per pole)		Number of Poles
RSLDIN-1NA	Input 6-24V dc	Maximum Load 250V ac/dc, 6A	1
RSLDIN-1GA	Input 6-24V dc		1
RSLDIN-1PA	Input 6-24V dc		1
RSLDIN-2NA	Input 12-24V ac/dc		1
RSLDIN-2GA	Input 12-24V ac/dc		1
RSLDIN-2PA	Input 12-24V ac/dc		1

NOMENCLATURE:

RSLDIN	-	1	NA
I		II	III

- I. Series Designation
- II. Type (refer to input voltage) 1, 2

Type Number	Input Voltage
1	6 to 24 Vdc
2	12 to 24 Vac/Vdc

- III. Product Shape
NA: Screw Type Lead, Rail Type Mounted or Screw Type Mounted, With extra protecting protrusions.
GA: Spring Type Lead, Rail Type Mounted, With extra protecting protrusions.
PA: Push-in Type

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Notes:

1. Certified only as a component of other certified equipment, where the acceptability of the combination is determined by CSA.
2. These devices are relay sockets intended for use with this manufacturer's relays, within the ratings specified above. These devices are suitable for use in limited ratings applications, if used with other relays or above the ratings indicated, consideration should be given to a repeat of Temperature testing. May be provided with slots and metal spring clip for rail-mounting.
3. These devices should be mounted within a suitable ultimate enclosure and with proper spacing being maintained.
4. These devices are intended for factory wiring only.
5. These devices have not been evaluated for making and breaking a load. Relays shall therefore not be installed or removed under load.
6. RSLDIN-1NA,1GA,2NA and 2GA were additionally tested at 85°C ambient, RSLDIN-1PA and 2PA were additionally tested at 70°C ambient.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 14-18 - Industrial control equipment

Notes:

Products certified under Class C3211-07 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca



MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown without an indicator for Canada only (indicating that products have been manufactured to the requirements of Canadian Standards).



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Company's name, and/or CSA file number 266855, type designation, electrical ratings, serial number or date coding, the CSA Mark appear in a permanent manner on each unit, and any other information as specified in the Certification Report.