

# Certificate of Compliance

**Certificate:** LR 81689M31-74

**Master Contract:** 700195

**Project:** 1806003

**Date Issued:** June 19, 2006

**Issued to:** Watlow Winona Inc.  
1241 Bundy Blvd  
Winona, MN 55987  
USA

**Attention:** Mr. Larry Glentz  
Agency Coordinator

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



**Issued by:** Nancy Szabo

**Authorized by:** Gabriel Lippa  
Product Group Manager

## **PRODUCTS**

CLASS 3211 07 INDUSTRIAL CONTROL EQUIPMENT Miscellenous Apparatus

- Solid state relays, open type, Models 18-6003, 18-6006, 18-6013, 18-6018, 18-6023, 18-6014, 240 Vac max, 90A max (incandescent), 41 FLA max (motor), Models 18-6040, 18-6041, 480 Vac max, 12 max (incandescent), 7 FLA max (motor), Models 18-6038, 18-6011, 480 Vac max, 25A max (incandescent), 10 FLA max (motor), Models 18-6021, 18-6016, 18-6019, 480 Vac max, 50A max (general use), 40A max (incandescent), 20 FLA max (motor), Models 18-6025, 18-6017, 18-6039, 480 Vac max, 90A max (incandescent), 41 FLA max (motor).
- Solid state relays, open type, Models 18-6001, 18-6004, output 240 Vac, 10A, 4.5 FLA, control 3-32 Vdc; Models 18-6002, 18-6005, output 240 Vac, 25A max (incandescent), 10 FLA, 60 LRA max, control 3-32 Vdc or 90-280 Vac.

Note: Open type devices are Certified, as components, for use only in other Certified equipment where the suitability of the combination is determined by CSA International.



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- Solid state relays, Series CR, CZ, open type, with suffixes, models and ratings as follows:

Models	Input Voltage	Output Voltage	Current
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	4-32V dc	24-280V ac	24-50A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	18-36V ac	24-280V ac	24-50A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	90-140V ac	24-280V ac	24-50A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	90-140V ac	48-530V ac	24-50A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	4-32V dc	48-530V ac	24-50A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	18-36V ac	48-530V ac	35-65A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	4-32V dc	60-660V ac	24-50A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	90-140V ac	60-660V ac	24-50A
CR24 <sup>xx</sup> , CZ24 <sup>xx</sup> , CZ34 <sup>xx</sup> , CR34 <sup>xx</sup> , CR42 <sup>xx</sup> , CZ42 <sup>xx</sup> , CR50 <sup>xx</sup> , CZ50 <sup>xx</sup>	18-36V ac	60-660V ac	24-50A

Note: XX is output voltage rating.

Models	Input Voltage	Output Voltage	Current
CR18-A24V-AC20	90-140V ac	24-280V ac	18A
CZ18-A24V-AC20	90-140V ac	24-280V ac	18A
CR18-A24V-AC10	18-36V ac	24-280V ac	18A
CZ18-A24V-AC10	18-36V ac	24-280V ac	18A
CR18-A24V-DC10	4-32V dc	24-280V ac	18A
CZ18-A24V-DC10	4-32V dc	24-280V ac	18A
CR18-A48V-AC20	90-140V ac	48-480V ac	18A
CZ18-A48V-AC20	90-140V ac	48-480V ac	18A
CR18-A48V-AC10	18-36V ac	48-480V ac	18A
CZ18-A48V-AC10	18-36V ac	48-480V ac	18A
CR18-A48V-DC10	4-32V dc	48-480V ac	18A
CZ18-A48V-DC10	4-32V dc	48-480V ac	18A
CR18-A60V-DC10	4-32V dc	600V ac	18A
CZ18-A60V-DC10	4-32V dc	600V ac	18A
CR18-A60V-AC10	18-36V ac	600V ac	18A
CZ18-A60V-AC10	18-36V ac	600V ac	18A
CR18-A60V-AC20	90-140V ac	600V ac	18A
CZ18-A60V-AC20	90-140V ac	600V ac	18A

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**Notes:**

1. Certified as components for use only in other Certified equipment where the suitability of the combination is determined by Canadian Standards Association.
  2. Sold only to manufacturers for factory assembly of Certified electrical equipment.
  3. These devices are not provided with electrical isolation between control and power circuits.
- Solid state relays, Series 0003-0195, open type, with suffixes, models and ratings as follows:

Models	Input Voltage	Output Voltage	Current
0003-0195-0000	3-32V dc	24-280V ac	10A, 70 deg C
0003-0195-6005	3-32V dc	24-280V ac	25A, 70 deg C
0003-0195-6011	3-32V dc	48-660V ac	25A, 70 deg C
0003-0195-6038	90-280V ac	48-660V ac	25A, 70 deg C
0003-0195-6006	3-32V dc	24-280V ac	40A, 60 deg C
0003-0195-6013	3-32V dc	24-240V ac	50A, 60 deg C
0003-0195-6016	3-32V dc	48-660V ac	50A, 60 deg C
0003-0195-6019	90-280V ac	48-660V ac	50A, 60 deg C
0003-0195-6023	90-280V ac	48-660V ac	75A, 65 deg C
0003-0195-6017	3-32V dc	48-660V ac	75A, 65 deg C

- Solid state relays, open type, Series CY with suffixes, ratings as follows:

Models	Rated load voltage	Rated load current	Rated control voltage
0003-0221-0001	280V ac	25A	24V dc
0003-0221-0002	280V ac	50A	24V dc
0003-0221-0003	660V ac	25A	24V dc
0003-0221-0004	660V ac	50A	24V dc

**Notes:**

1. Certified as components for use only in other Certified equipment where the suitability of the combination is determined by CSA International
2. Sold only to manufacturers for factory assembly of Certified electrical equipment.
3. These devices are not provided with electrical isolation between control and power circuits.
4. Ratings for the above relays is based on the use of the external aluminium heatsink specified by the submitter's published literature.

**APPLICABLE REQUIREMENTS**

CSA Std C22.2 No. 14-95 Industrial Control Equipment

**Markings**

The CSA Mark, the company name or tradename/trademark or file number 700195, model designation and any "Cautions" or other information as specified in the Certification Report.