

NRNT2 - Switches, Industrial Control – Component
NRNT8 - Switches, Industrial Control Certified for Canada - Component

Watlow Electric Manufacturing Co

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E73741

Marking: Company name or trademark , , , , and model designation.

Industrial Control Switches, Model(s): 0003-0195-6100, 0003-0195-6101

Industrial Control Switches, Model(s): 0003 f/b 0195, f/b 6011, 6016, 6017, 6019, 6023 or 6038

Solid state relays, for use in industrial control applications, Model(s): CZ f/b 24, 34 or 42, f/b A, f/b 24, 48 or 60, f/b V, f/b AC10 or DC10

Industrial Control Switches*, Model(s): CZ f/b 18, f/b A, f/b 24, 48 or 60 f/b V, f/b AC10 or DC10

*These models NRNT2 only.

Ratings to be marked on product.

Command Signal input voltage,
Load circuit output voltage,
Load current amperage.

load current contingent upon use of proper heatsink being provided.
Note that for CZ models heatsink is provided with product.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

These components have been judged on the basis of the required spacings in the Standard for Industrial Control Equipment (UL 508), Paragraph 180, which would cover the components themselves if submitted for unrestricted Listing. These models have also been evaluated to Canadian Standard C22.2 No. 14.

Conditions of Acceptability -

1. These devices should be used within Recognized ratings as specified above.

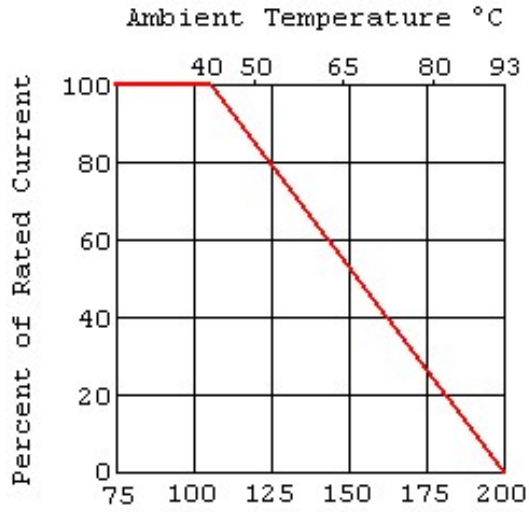
2. These devices should be mounted in the intended manner in enclosures having adequate strength and thickness and with acceptable spacings being provided.
3. The ratings specified depend on temperatures in the end-use not exceeding those indicated on the rating curves, if provided. If not provided, 10 to 40°C is to be used.
4. Devices with ratings of 40 A and 75 A were tested with a Heat Sink pictured in Fig. 5. Consideration for a temperature test should be made if another Heat Sink is used in the end-use product.
5. These devices are suitable for factory wiring only and the suitability of these connections should be judged in the final installation. Particular attention should be paid to temperatures on terminals and leads.
6. Since these devices are rated greater than 1 hp, short circuit tests shall be considered in the end-product evaluation. No short circuit tests were conducted in these units.

The terminals are to be factory wired only and the suitability of the connection (including spacings between factory connectors) shall be determined.

The spacings from the exposed live-metal parts to the enclosure walls shall be in accordance with the requirements of the overall equipment.

These devices have several termination methods. Some of which are supplied by the user. Consideration should be given to the termination means and if necessary, specified in the end-use equipment Report.

7. The optical isolators used in these products are suitable for minimum 4000 V ac rms isolation.



DERATING CURVE 0003-0195-xxxx MODELS

Figure 5

