

AutoMate[®]/DCS-5000/AutoMax[®]
Dual D-C Output Module
24V (M/N 45C63)
115V (M/N 45C65)
250V (M/N 45C68)

Module Specifications

Module Location

- Plugged Into an I/O Rail (M/N 45C1)

Ambient Conditions

- Operating Temperature (at the module): 32 to 140°F (0 to 60°C)
- Storage Temperature: -4 to 185°F (- 20 to 85°C)
- Humidity: 5 to 90% (Non-Condensing)

Module Dimensions

- Height: 1³/₁₆ inches (2.1 cm)
- Width: 3 inches (7.6 cm)
- Depth: 6¹/₁₆ inches (15.5 cm)
- Weight: 5 ounces (140 grams)

Output Circuit

- Number of Outputs: 2 Channels
- Minimum Load Current: 1 mA
- Output Type: FET, open drain
- Maximum Inductive Power at 140°F (60°C): 0.25W
- Electrical Isolation:
 - (1) 2500 V (RMS) isolation between the output circuit and the logic circuit
 - (2) 1000 V (RMS) channel to channel isolation
 - (3) 1000 V (RMS) isolation across open contacts
- Off to On Response Time: 0.45 Milliseconds
- On to Off Response Time: 0.2 Milliseconds
- Fuse Type: M/N 45C63/45C65: Busse® 3 Amp, 250V, AGC or Equivalent
- Fuse Type: M/N 45C68: Busse 1 Amp, 250V, AGC, or Equivalent
- Maximum Short Circuit Power Source: 10 KVA

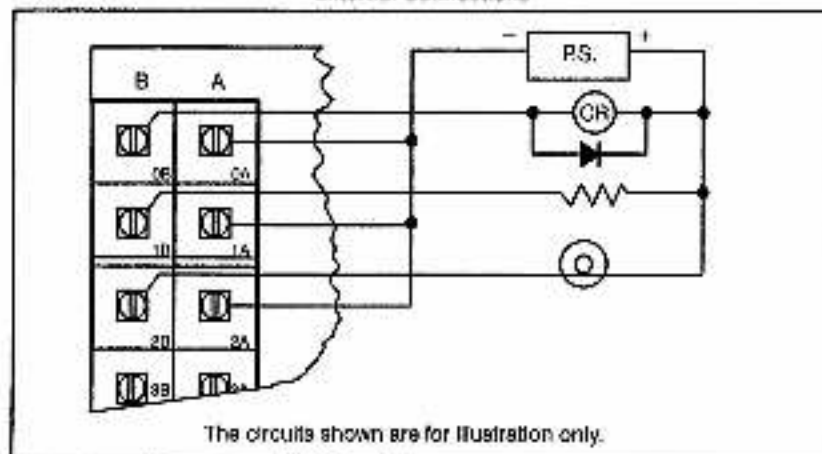
	M/N 45C63	M/N 45C65	M/N 45C68
Nominal D-C Voltage	24V	120V	250V
Working D-C Voltages	15 - 40V	83 - 140V	140 - 275V
Allowed Peak Voltage Due to Overshoot	100V	300V	600V

Industrial
CONTROLS

Output Circuit

	M/N 45C63	M/N 45C65	M/N 45C68
Maximum Continuous Output Current	2A	2A	0.5A
Power Dissipation at Max. Temperature and Current	2.6W	4.0W	1.8W
Maximum On-State Voltage	0.8V	1.1V	2V
Maximum Off-State Leakage Current at Peak Voltage	1 ma	1 ma	4 ma
Allowable 0.1 Second Surge Current	8A	8A	1.5A
Allowable 0.5 Second Surge Current	4A	4A	1A
Maximum Inductive Load Energy	6.6J	11J	26J

External Connections



The circuits shown are for illustration only.

This material is not intended to provide operating instructions. Appropriate Reliance Electric Industrial Company Instruction Manuals should be studied prior to the installation, operation, or maintenance of the equipment.

For more detailed and complete information, please refer to the AutoMate/DCS-5000/AutoMax Digital I/O Rails and Modules Instruction Manual, J-3012.

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