



www.basler.com
 +1 618.654.2341 (USA)
 info@basler.com

Model

Freewheeling Diode Module

Part Number

9504020100

INTRODUCTION

The freewheeling diode module is intended for use in machine field applications where two excitation sources are used. During a transfer from one source to the other, a momentary condition may occur where both source selection contactors are open. The freewheeling diode module prevents excessive voltage from building across the field during this transient condition.

MOUNTING

Figure 1 illustrates the overall dimensions of the freewheeling diode module. Dimensions are shown in inches with millimeters in parenthesis. Module weight is 4.8 pounds (2.2 kilograms).

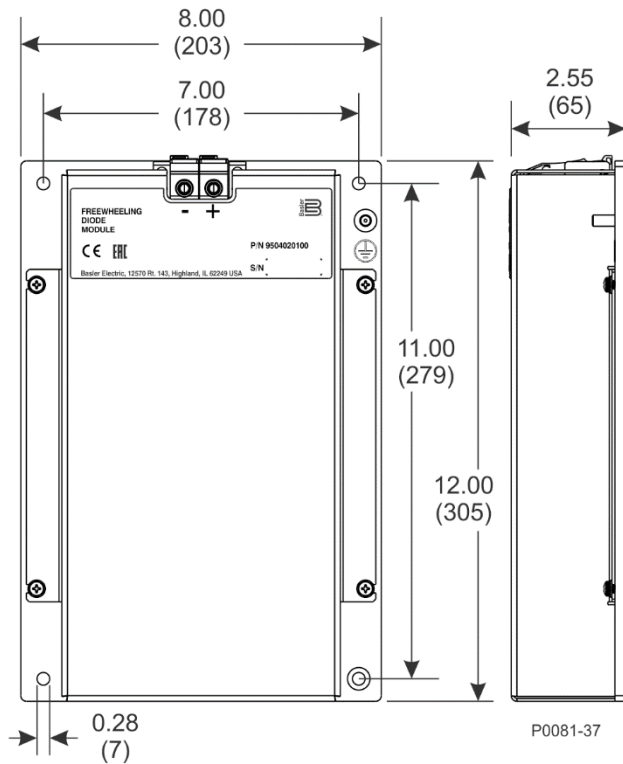


Figure 1. Overall Dimensions

SPECIFICATIONS

China RoHS compliant.

CONNECTIONS

Figure 2 illustrates the freewheeling diode module connections for an application using redundant DECS-250E controllers to supply field excitation.

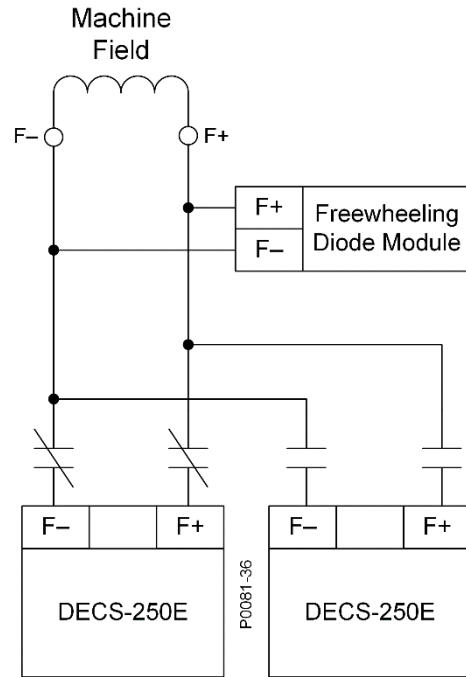


Figure 2. Typical Connections

Module terminals accommodate wire sizes over the range of 10 to 2 AWG (6 to 35 mm²). Maximum terminal screw torque is 25 in-lb. (2.8 N•m). A ¼–20 threaded stud provides a ground connection for the module.

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