SMC Synchronous Motor Controllers

Basic control functions for brushless synchronous motors

**Features and Functions**

- **Prepackaged Chassis Systems**
  - SMC-5: P/N 9323500101 – to 5A, 125 VDC
  - SMC-7: P/N 9323500100 – to 7A, 125 VDC
  - SMC-15: P/N 9324000101 – to 15A, 125 VDC
  - SMC-36: P/N 9324000100 – to 36A, 125 VDC
  - 6 to 8 week availability
  - Factory wired and tested

- **SCR Controlled Bridge with SCP-250 Var/PF Controller**
  - Includes manual voltage control for startup, standby
  - Highly reliable time-proven components
  - Choose Var and PF control to optimize plant energy costs

- **Automatic startup controls**
  - AC power On/Off, with external enable
  - Incomplete Sequence Timer
  - Field Undercurrent Protection
  - Field Overcurrent Protection
  - PRP320 Motor Pullout Relay to verify startup, monitor operation

- **Shunt for customer-supplied Field Current Meter**

- **Provisions for customer-supplied Field Voltage Meter**

- **Easy interface with existing plant**
  - Pre-engineered pan chassis
  - Interconnect, outline drawings available

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"Shipped Loose" System Options

- RA-70 for remote set point adjustment
- EDM 200 Exciter Diode Monitor
- MPS-210 Motor Protection System
- Power Potential Transformer
- Field Current Ammeter
- Field Voltmeter
- Switches

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Outline diagram, 5A and 7A Chassis (Weight: 38 lbs.)

Outline diagram, 15A and 36A Chassis (Weight: 90 lbs.)

Basler Electric

Route 143, Box 269 • Highland IL USA 62249
Tel: 618/654-2341 • Fax: 618/654-2351
www.basler.com • email: info@basler.com
**DECS-200 Based Synchronous Motor Panel**

**Versatile digital control for brushless synchronous motors**

**Features and Functions**

- **Prepackaged Chassis System**
  - Basler P/N 9375600100
  - Output to 15A at 125 VDC
  - 6 to 8 week availability
  - Factory wired and tested

- **Based on DECS-200 Digital AVR***
  - Accurate: ±0.25% regulation
  - Reliable
  - Flexible: 4 operating modes (AVR, Manual, Var, PF)
  - Built-in protective functions: Field OV, Field OC, EDM, AC Undervoltage, AC Overvoltage
  - Built-in Metering: LCD or PC
  - Built-in Reference Adjuster
  - Built-in Limiters: Overexcitation, Underexcitation, V/Hz
  - Easy tuning/startup: BESTCOMS software

- **Additional Controls/Protection**
  - PRP-320 Synchronous Motor Pullout Relay
  - Incomplete Sequence Timer
  - Independent Field Over/Undercurrent Relay
  - Field Overcurrent Suppression

- **Easy interface with existing plant**
  - AC Field Start/Stop Relay
  - Auto/Manual Select
  - Annunciation output contacts
  - Shunt for customer's remote DC ammeter
  - Provisions for customer's remote DC voltmeter
  - Outline, interconnect drawings available

**Visit**[www.basler.com](http://www.basler.com) to access and download product and application information.
If you don't have Internet access, complete this form and fax it to 618/654-2351.

**Market Segment Classification (Please check one.)**

- [ ] Electric Utility  
- [ ] Consulting Engineer  
- [ ] Government Agency  
- [ ] Switchgear Assembler  
- [ ] Genset Manufacturer  
- [ ] Genset Assembler  
- [ ] Generator Manufacturer  
- [ ] Contractor  
- [ ] Industrial Firm  
- [ ] Independent Power Producer  
- [ ] Repair and Service Shop  
- [ ] Other

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**Shipped Loose** System Options

- RDP-300 Remote Display Panel
- Power Potential Transformer
- Field Ammeter
- Field Voltmeter

* For detailed DECS-200 product specs, refer to bulletin.*

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Weight: 65 lbs.

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<th>PRP320</th>
<th>BE3-74SD</th>
<th>RDP300</th>
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*For detailed DECS-200 product specs, refer to bulletin.*