## Current Sensor Product List

### Your Global Source for RF, Wireless and Energy Technologies

**SERIES** | **MODEL** | **Main Specification** | **Features**
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**Circuit System** | **Mounting Configuration** | **Primary Conductor** | **Rated Current** | **Rated Voltage** | **UL R/C** | **Features**

**F03P**<br>F03PxxxS05L<br>F03PxxxS05<br>Fluxgate system<br>On-board<br>Built-in bus-bar<br>6~50A<br>+5V<br><br>• Super precision & High stability<br>• F02P & F03P: with reference access<br>• F03P: Longer creepage & clearance distances<br>• Name end “L”: Backward compatible, Anti surge current, Compact

**F02P**<br>F02PxxxS05L<br>F02PxxxS05<br>Fluxgate system<br>On-board<br>Built-in bus-bar<br>6~50A<br>+5V<br><br>• Super precision & High stability<br>• F02P & F03P: with reference access<br>• F03P: Longer creepage & clearance distances<br>• Name end “L”: Backward compatible, Anti surge current, Compact

**F01P**<br>F01PxxxS05L<br>F01PxxxS05<br>Open loop<br>On-board<br>Built-in bus-bar<br>6~50A<br>+5V<br><br>**LA03P**<br>LA03PxxxS05<br>Open loop<br>On-board<br>Built-in bus-bar<br>21~85A<br>+5V<br><br>• One Loop - one chip ASIC model<br>• Low profile package (8.5mm on PCB)<br>• High speed response<br>• *1 : Measurement current range

**LA02P**<br>LA02PxxxS03<br>Open loop<br>On-board<br>Built-in bus-bar<br>21~85A<br>+3.3V<br><br>• One Loop - one chip ASIC model<br>• Low profile package (8.5mm on PCB)<br>• High speed response<br>• *1 : Measurement current range

**LA01P(M)**<br>LA01PxxxS05<br>Open loop (Discrete)<br>On-board<br>Built-in bus-bar<br>35~170A<br>+5V<br><br>• One Loop - one chip ASIC model<br>• Low profile package (8.5mm on PCB)<br>• High speed response<br>• *1 : Measurement current range

**LA01P(M)**<br>LA01MxxxS05<br>Open loop (SMT)<br>On-board<br>Built-in bus-bar<br>21~41A<br>+5V

**LA01P(M)**<br>LA01MxxxS05<br>Open loop (SMT)<br>On-board<br>Built-in bus-bar<br>21~41A<br>+5V

**L37S**<br>L37SxxxD15<br>Open loop<br>Connector (MOLEX/JST)<br>Through 20.4 x 10.4<br>50~600A<br>±15V<br><br>• Design for lower dvdt noise<br>• Succession model of L03SxxxD15W series<br>• Wide electrical current range<br>• Compact

**LA02P**<br>LA02PxxxS03<br>Open loop<br>On-board<br>Built-in bus-bar<br>21~85A<br>+3.3V<br><br>• One Loop - one chip ASIC model<br>• Low profile package (8.5mm on PCB)<br>• High speed response<br>• *1 : Measurement current range

**L34S**<br>L34SxxxD15<br>Open loop<br>Connector (MOLEX)<br>Through 20.5 x 40.5<br>200~1500A<br>±15V<br><br>• High current (1500A_max)<br>• Wide electrical current range<br>• Large aperture

**L32P**<br>L32PxxxS05FS<br>Open loop<br>On-board<br>Built-in bus-bar<br>25A<br>+5V<br><br>• Ferrite core is used<br>• With reference access<br>• Anti-sulfurated

**L31S**<br>L31SxxxS05FS<br>Open loop<br>Connector (MOLEX)<br>Through 20.5 x 10.5<br>50~600A<br>±15V<br><br>• Wide electrical current range<br>• Ferrite core is used<br>• With reference access<br>• Anti-sulfurated

**L18P**<br>L18PxxxD15-OP<br>L18PxxxD15<br>SL18PxxxD15<br>L18PxxxS05<br>L18PxxxS05R<br>L18PxxxS12<br>Open loop<br>On-board<br>Built-in coil/bus-bar<br>3~60A<br>±15V<br><br>• Low cost<br>• Compact, high performance<br>• Name First “SL18P”: Anti-sulfurated (Coating: Anti-sulfurated resistance)<br>• Name End “R”: Rated voltage change

**L12P**<br>L12P025D15<br>Open loop<br>On-board<br>Built-in coil<br>25A<br>±15V<br><br>• Low cost<br>• Compact

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| L08P   | L08PxxxD15W/9PV | Open loop | On-board | Through ø16 | 100~300A | ±15V | • Wide range of applications  
  • Name End "W": Saturation current up  
  • NC pin is deleted |
|       | L08PxxxD15  | | | | 50~200A | +5V | |
| LO7P   | LO7PxxxD15 | Open loop | On-board | Built-in coil | 3~30A | ±15V | • Low cost  
  • Built in 2 circuits  
  • Name End "S": Anti-sulfurated (Coating: Anti-sulfurated resistance) |
|       | LO7PxxxD15S | | | | | | |
|        | L07PxxxS05 | Open loop | On-board | Through ø22 | 300~800A | +5V | • Wide range of applications  
  • Single power supply type |
| LO5Z   | LO5Z800S15 | Open loop | Connector (JST) | Through ø10.5 x 10.5 | 800A | +15V | • Wide range of applications  
  • Single power supply type |
| L03S   | L03SxxxD15 | Open loop | Connector (MOLEX) | Through ø10.5 x 10.5 | 50~600A | ±15V | • Wide electrical current range  
  • Compact  
  • Name End "W": Saturation current up, Change position of CN |
|       | L03SxxxD15W | | Connector (MOLEX/JST) | Through ø8 | 50~800A | +5V | |
| L01Z   | L01ZxxxS05 | Open loop | On-board | Through ø8 | 50~600A | +5V | • Wide electrical current range  
  • Compact |
| S29S   | S29S1T0D24Z | Closed loop | Connector (MOLEX) | Through ø38.5 | 1000A | ±24V | • High-current, High accuracy  
  • Conversion Ratio 1:5000  
  • Connector: MOLEX 2 Type), JST (1 Type) |
|        | S29S1T0D24ZM | | | | | | |
|        | S29S1T0D24ZJ | | | | | | |
| S28S   | S28SxxxD24Z | Closed loop | Connector (MOLEX) | Through ø30 | 500A | ±24V | • High-current, High accuracy  
  • Conversion Ratio 1:5000  
  • Connector: MOLEX 2 Type) |
|        | S28SxxxD24ZM | | | | | | |
| S27S   | S27S300D15Y | Closed loop | Connector (MOLEX) | Through ø20 | 300A | ±20V | • High accuracy, High performance  
  • Conversion Ratio 1:2000  
  • Connector: MOLEX 2 Type) |
|        | S27S300D15YM | | | | | | |
| S26P   | S26S200D15Y | Closed loop | On-board | Through ø7x11 | 200A | ±15V | • High accuracy, High performance  
  • Conversion Ratio 1:2000 |
| S25P   | S25PxxxD15X | Closed loop | On-board | Through ø3x8.5 | 50~150A | ±15V | • High accuracy, High performance  
  • Conversion Ratio 1:1000 (Name end "X"), 1:2000 (Name end "Y") |
| S23P   | S23PxxxD15M2 | Closed loop | On-board | Built-in bus-bar | 100A | ±15V | • Name end "M2". Backward compatible, dvlt improvement type  
  • Name end "M1": Conversion Ratio 1:1000,  
  • Conversion Ratio - Normal and M2 Type are 1:2000 |
|        | S23PxxxD15M1 | | | | | | |
|        | S23PxxxD15  | | | | | | |
| S22P   | S22PxxxS05M2 | Closed loop | On-board | Built-in bus-bar | 6~25A | ±5V | • Voltage-output type  
  • Name end "M2", Backward compatible of normal model, External magnetic field improvement model  
  • Name end "P", Short lead model of normal model |
|        | S22PxxxS05P | | | | | | |
| S21S   | S21S180D15JN | Closed loop | Connector (JST) | Through R10 | 180A | ±15V | • Semicircle aperture  
  • Conversion Ratio 1:4000 |
| S20S   | S20S200D15M1 | Closed loop | Connector (JST) | Through ø0.5 | 200A | ±15V | • High accuracy, High performance  
  • Conversion Ratio 1:2000 |

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