### Revision Control Record

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<td>G</td>
<td>ADDED HENCOL 13</td>
<td>13169</td>
<td>06/17/13</td>
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### Designation Information

- **CIRCUIT**: 12VDC RESISTIVE LOAD
- **PIN NUMBER**
  - 2: START 5 AMPS
  - 3: ACCESSORY 10 AMPS
  - 4 & 5: IGNITION 10 AMPS
  - 1 & 6: BATTERY
- **HOLE DIM** 0.760 [19.30]
- **MARK PART NUMBER & DATE CODE** 02.011 [051.07]
- **NOTE**: VIEW LESS FACE NUT, KEY & BOOT

### Notes:

1. TOLERANCES PLUS OR MINUS 0.015 [0.38]
2. CONTACT AREA SEALED TO IPR7
3. BACK OF SWITCH SEALED WHEN MATING CONNECTOR IS INSTALLED
4. FOR RESISTIVE LOAD RATING SEE CHART OR BACK OF SWITCH
5. KEY REMOVABLE IN OFF POSITION ONLY
6. MATERIALS: HOUSING BLACK THERMOPLASTIC, INTERNAL STATIONARY CONTACTS COPPER
7. KEY BOOT FITS OVER FACE NUT
8. SWITCH TESTED TO SAE J259, UL RECOGNIZED TO UL 1054
9. IF THE APPLICATION MOUNTS THE SWITCH WITH THE LOCK CYLINDER OR LEVER APPROACHING VERTICAL, CONTACT THE FACTORY FOR AN APPLICATION REVIEW AND POTENTIAL ALTERNATE PRODUCTS BEFORE DESIGN IS SET.
10. SW. MUST NOT BREAK CIRCUIT OR BE DAMAGED IF TORQUED TO 15 IN-LBS [1.69N•m]

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**Cole Hersee Co.**
20 Old Colony Ave., South Boston, MA, 02127
Phn: 817-268-3100 Web: www.colehersee.com

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**Page 1**

**Description:** SW, ROT, 3POS, PLSTC
**Project No:** 95060-06
**Issued By:** EX28124
**Date Issued:** 8/11/06
**Drawn By:** JT
**Scale:** 1:1

---

**Special Characteristics:**
- Critical Characteristic: relating to Safety and/or Regulatory Compliance
- Critical Characteristic: relating to Process Control (PCU)

---

**Drawing Notes:**
- Created using AutoCAD Inventor
### Revision Control Record

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<td>07100</td>
<td>3/30/07</td>
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<td>06325</td>
<td>10/4/06</td>
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<td>6/24/10</td>
<td>A</td>
<td>06287</td>
<td>8/11/06</td>
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### Notes:

1. Tolerances plus or minus 0.015 [0.38]
2. Contact area sealed to IP67
3. Back of switch sealed when mating connector is installed
4. For resistive load rating see chart or back of switch
5. Key removable in off position only
6. Materials: Housing black thermoplastic internal stationary contacts copper
7. Key boot fits over face nut
8. Switch tested to SAE J259, UL recognized to UL 1054
9. If the application mounts the switch with the lock cylinder or lever approaching vertical, contact the factory for an application review and potential alternate products before design is set
10. SW. Must not break circuit or be damaged if torqued to 15 in-lbs [1.69N\(\text{m}\)]
**NOTES:**

1. TOLERANCES PLUS OR MINUS 0.015 [0.38]
2. CONTACT AREA SEALED TO IP67
3. BACK OF SWITCH SEAL WHEN MATING CONNECTOR IS INSTALLED
4. FOR RESISTIVE LOAD RATING SEE CHART OR BACK OF SWITCH
5. KEY REMOVEABLE IN OFF POSITION ONLY
6. PIN LOCATIONS SEE CHART

7. MATERIALS: HOUSING BLACK THERMOPLASTIC INTERNAL STATIONARY CONTACTS COPPER
8. SWITCH TESTED TO SAE J2256, UL REC 认证 TO UL 1054
9. SWITCH TO BE SUPPLIED WITH 10 KEY CODES 601-605, 701-705
10. SW. MUST NOT BREAK CIRCUIT OR BE DAMAGED IF TORQUED TO 15 IN-LBS [1.69Nm]
11. IF THE APPLICATION MOUNTS THE SWITCH WITH THE LOCK CYLINDER OR LEVER APPROACHING VERTICAL, CONTACT THE FACTORY FOR AN APPLICATION REVIEW AND POTENTIAL ALTERNATE PRODUCTS BEFORE DESIGN IS SET.

**PIN NUMBER** | **CIRCUIT** | **12VDC RESISTIVE LOAD**
---|---|---
2 | START | 5 AMPs
3 | ACCESSORY | 10 AMPs
4 & 5 | IGNITION | 10 AMPs
1 & 6 | BATTERY | 10 AMPs

**PINS 1 & 6 CONNECTED TOGETHER INTERNALLY PINS 4 & 5 CONNECTED TOGETHER INTERNALLY**
**NOTES:**
1. TOLERANCES PLUS OR MINUS 0.015 [0.38] UNLESS NOTED OTHERWISE.
2. CONTACT AREA SEALED TO IP67.
3. BACK OF SWITCH SEALED WHEN MATING CONNECTOR IS INSTALLED.
4. RATINGS AT 12V DC RESISTIVE LOAD: CIRCUIT 10 AMPS.
5. KEY REMOVABLE IN OFF POSITION ONLY.
6. MATERIALS: HOUSING BLACK THERMOPLASTIC; INTERNAL STATIONARY CONTACTS COPPER.
7. TERMINALS 1 & 6 CONNECTED TOGETHER INTERNALLY.
8. TERMINALS 4 & 5 CONNECTED TOGETHER INTERNALLY.
9. SWITCH TESTED TO SAE J259.
10. SW. MUST NOT BREAK CIRCUIT OR BE DAMAGED IF TORQUED TO 15 IN-LBS [1.69Nm]
11. IF THE APPLICATION MOUNTS THE SWITCH WITH THE LOCK CYLINDER OR LEVER APPROACHING VERTICAL, CONTACT THE FACTORY FOR AN APPLICATION REVIEW AND POTENTIAL ALTERNATE PRODUCTS BEFORE DESIGN IS SET.

**Revision Control Record**

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<td>6/28/13</td>
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**Scale:** 1:1

**Manuvering:** Panel Mounting Hole Dim.

**Notes:**
- SPRING RETURN TO POS 1 (MOM ACTION)
- SPRING RETURN TO POS 1 (MOM ACTION)
- MOUNTING STEM, M22 x 1.5
- FACE NUT, PLASTIC, BLACK
- HOUSING, PLASTIC, BLACK
- HEX NUT, BRASS
- SWITCH SHOWN WITHOUT KEY
- 2 DOUBLE BITTED BOOTED KEYS RINGED, BLACK. SEE NOTE 5
- Φ0.060 [0.2184] 2 PL
- Φ0.125 [0.0318] 2 PL
- Φ0.760 [0.0302]
**Connector, Plug, Deutsch DT06-6S, Terminal, Deutsch 0462-201-16141, WEDGE, Deutsch W6S**

- **WIRE LEAD, 16 GA [1.0 MM SQ], GXL HENCOL 13 SEAL AROUND PERIMETER**
  - Ø2.011 [Ø51.07]
  - Ø2.158 [Ø54.60]
  - Ø3.156 [Ø80.00]

**Connector to Accept Deutsch DT06-4S Connector or Eqiv**

**View Less Key & Boot**

- **Face Nut, Plastic, Black, Note B**
- **Hex Nut, Brass**
- **Housing, Plastic, Black**

**View Less Key & Boot**

- **2 Double Bitted Booted Keys, Ringed, Black, Single Key Code 601, Note B, Note 10**

**View Less Face Nut, Key & Boot**

- **0.750 [Ø19.05] Flat**
- **0.850 [Ø21.59]**
- **Ø0.125 [Ø3.18] 2 PL**

**Pin Number**

<table>
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<tr>
<th>Circuit</th>
<th>12VDC Resistive Load</th>
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<tr>
<td>2</td>
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<tr>
<td>3</td>
<td>ACCESSORY 10 AMPS</td>
</tr>
<tr>
<td>4 &amp; 5</td>
<td>IGNITION 10 AMPS</td>
</tr>
<tr>
<td>1 &amp; 6</td>
<td>BATTERY 10 AMPS</td>
</tr>
</tbody>
</table>

**Notes:**

1. TOLERANCES PLUS OR MINUS 0.015 [Ø.38]
2. CONTACT AREA SEALED TO IP67
3. BACK OF SWITCH SEALED WHEN MATING CONNECTOR IS INSTALLED
4. FOR RESISTIVE LOAD RATING SEE CHART OR BACK OF SWITCH
5. KEY REMOVABLE IN OFF POSITION ONLY
6. PIN LOCATIONS SEE CHART
7. MATERIALS: HOUSING BLACK THERMOPLASTIC INTERNAL STATIONARY CONTACTS COPPER 8. KEY BOOT FITS OVER FACE NUT
9. SWITCH TESTED TO SAE J259, UL RECOGNIZED TO UL 1054
10. SWITCH SUPPLIED WITH SINGLE KEY CODE 601
11. SWITCH 95060-51 IS MADE UP OF 95060-23 SWITCH & 31101 CONNECTOR
12. SW. MUST NOT BREAK CIRCUIT OR BE DAMAGED IF TORQUED TO 15 IN-LBS [1.69Nm]
13. IF THE APPLICATION MOUNTS THE SWITCH WITH THE LOCK CYLINDER OR LEVER APPROACHING VERTICAL, CONTACT THE FACTORY FOR AN APPLICATION REVIEW AND POTENTIAL ALTERNATE PRODUCTS BEFORE DESIGN IS SET.

**Revision Control Record**

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**Form CHT-6 (2017)**

**Description:** SW, ROT, IGN & CONN

**Drawing / Part No.:** 95060-51

**Scale:** 1:1

**Date Drawn:** 12/20/11

**Current Rev.:** B
**NOTES:**
1. TOLERANCES PLUS OR MINUS 0.015 [0.38]
2. CONTACT AREA SEALED TO IP67
3. BACK OF SWITCH SEALED WHEN MATING CONNECTOR IS INSTALLED
4. FOR RESISTIVE LOAD RATING SEE CHART OR BACK OF SWITCH
5. FOR PIN LOCATIONS SEE CHART
6. MATERIALS: HOUSING BLACK THERMOPLASTIC INTERNAL STATIONARY CONTACTS COPPER
7. SWITCH TESTED TO SAE J259.
8. ALSO MATES WITH COLE HERSEE'S 31101 CONNECTOR ASSEMBLY
9. START LOCKOUT FEATURE. SWITCH MUST GO TO "OFF" POSITION BEFORE THE START CIRCUIT CAN BE RE-ENERGIZED
10. SW. MUST NOT BREAK CIRCUIT OR BE DAMAGED IF TORQUED TO 15 IN-LBS [1.09 Nm]
11. IF THE APPLICATION MOUNTS THE SWITCH WITH THE LOCK CYLINDER OR LEVER APPROACHING VERTICAL, CONTACT THE FACTORY FOR AN APPLICATION REVIEW AND POTENTIAL ALTERNATE PARTS BEFORE DESIGN IS SET.

**Revision Control Record**

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<th>12VDC RESISTIVE LOAD</th>
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<tr>
<td>2</td>
<td>START</td>
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<td>4 &amp; 5</td>
<td>IGNITION</td>
<td>10 AMPS</td>
</tr>
<tr>
<td>1 &amp; 6</td>
<td>BATTERY</td>
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</table>

**Special Characteristics:**
- Critical Characteristic, relating to Safety and/or Regulatory Compliance
- Significant Characteristic relating to Process Control
- Control Dimension relating to Form - Function as defined by Cole Hersee Company and/or the Customer

**Proprietary Information:**
This Engineering Drawing, and the information contained herein, is proprietary to Cole Hersee Company and may not be disclosed, re-produced, or in any other way transferred or communicated to any other person or entity without written consent of an authorized representative of Cole Hersee Company.

**Drawing Information:**
- Description: SW, ROT, IGN, PLTSC
- Current Rev.: C
- Form CHT-4 (207)
- Scale: 1:1
- Printed Date: 4/10/11
- Printed by: DPS
- Page: 1 of 1
- Date Drawn: 4/10/11

**Cole Hersee Co.**
20 Old Colony Ave., South Boston, MA 02127
P/N: 817-350-2102 Web: www.colehersee.com

**Part No.:** 95061-04

**Drawing No.:** 95060-04

**Customer Drawing/Part No.:**

---

**Components:**
- MOUNTING STEM, M22 x 1.5
- HEX NUT, BRASS
- HOUSING, PLASTIC, BLACK
- FACE NUT, PLASTIC, BLACK
- LEVER, ZINC DIE CAST
- SCREW & LOCK WASHER
- HENCOL 13 SEAL AROUND PERIMETER
- CONNECTOR TO ACCEPT DEUTSCH DT06-6S CONNECTOR OR EQUIV, SEE NOTE 8
- MARK PART NUMBER & DATE CODE

**Dimensions:**
- Ø0.060 [Ø21.84]
- Ø0.125 [Ø3.18] 2 PL
- 0.750 [19.05] FLAT
- 0.862 [21.88]
- 1.248 [31.69]
- 1.99 [50.55]

---

**Legend:**
- [Image 0x0 to 1224x792]
IGN & ACC
START
30° TYP
1, 6, 2
1, 6, 4, 5
SPRING RETURN TO IGN & ACC POSITION

MOUNTING STEM, M22 x 1.5
- HEX NUT, BRASS
HOUSING, PLASTIC, BLACK
SHAFT, ZINC

NOTE: THIS VIEW SHOWS ASSEMBLY WITHOUT THE KNOB

0.430 [10.92]
0.525 [13.34]
0.862 [21.88]
1.248 [31.69]
1.99 [50.55]

0.750 [19.05] FLAT

0.075 [1.91]

0.760 [19.30]

0.880 [22.16]

0.125 [3.18] 2 PL

PANEL MOUNTING HOLE DIM.

0.0211 [0.5717]

CONNECTOR TO ACCEPT DT06-08 CONNECTOR OR EQUIV

HEINCOL 13 SEAL AROUND PERIMETER

MARK PART NUMBER & DATE CODE

NOTES:
1. TOLERANCES PLUS OR MINUS 0.015 [0.38]
2. CONTACT AREA SEALED TO IP67
3. BACK OF SWITCH SEALED WHEN MATING CONNECTOR IS INSTALLED
4. FOR RESISTIVE LOAD RATING SEE CHART OR BACK OF SWITCH
5. FOR PIN LOCATIONS SEE CHART
6. MATERIALS: HOUSING BLACK THERMOPLASTIC INTERNAL STATIONARY CONTACTS COPPER
7. SWITCH TESTED TO SAE J2596, UL RECOGNIZED TO UL 1054
8. SW. MUST NOT BREAK CIRCUIT OR BE DAMAGED IF TORQUED TO 15 IN-THS [1.99Nm]
9. IF THE APPLICATION MOUNTS THE SWITCH WITH THE LOCK CYLINDER OR LEVER APPROACHING VERTICAL, CONTACT THE FACTORY FOR AN APPLICATION REVIEW AND POTENTIAL ALTERNATE PRODUCTS BEFORE DESIGN IS SET.

<table>
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<tr>
<th>PIN NUMBER</th>
<th>CIRCUIT</th>
<th>12VDC RESISTIVE LOAD</th>
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<tbody>
<tr>
<td>2</td>
<td>START</td>
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<tr>
<td>3</td>
<td>ACCESSORY</td>
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<td>4 &amp; 5</td>
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</tr>
<tr>
<td>1 &amp; 6</td>
<td>BATTERY</td>
<td>10 AMPS</td>
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</table>

PINS 1 & 5 CONNECTED TOGETHER INTERNALLY
PINS 2 & 6 CONNECTED TOGETHER INTERNALLY

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<td>5/2b/13</td>
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Cole Hersee Co.
20 Old Colony Ave., South Boston, MA, 02127
Tel: 617-385-9100, Web: www.colehersee.com

SW, ROT, 3POS, KNOB

95062-13
1. TOLERANCES PLUS OR MINUS 0.015 [0.38] on all dimensions.
2. CONTACT AREA SEALED TO IP67.
3. BACK OF SWITCH SEALED WHEN MOUNTING CONNECTORS IS INSTALLED.
4. INTERNAL STATIONARY CONTACTS COPPER.
5. MATERIALS: HOUSING BLACK THERMOPLASTIC.
6. SWITCH TESTED TO SAE J256, UL RECOGNIZED TO UL 1054.
7. IF THE APPLICATION MOUNTS THE SWITCH WITH THE LOCK CYLINDER OR LEVER APPROACHING VERTICALLY, CONTACT THE FACTORY FOR AN APPLICATION REVIEW AND POTENTIAL ALTERNATE PRODUCTS BEFORE DESIGN IS SET.
8. SW. MUST NOT BREAK CIRCUIT OR BE DAMAGED IF TORQUED TO 15 IN-LBS [1.69Nm].

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<td>6/28/13</td>
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**Dimensions:**

- MOUNTING STEM, M22 x 1.5
- FACE NUT, PLASTIC, BLACK
- SHAFT, ZINC
- HEX NUT, BRASS
- HOUSING, PLASTIC, BLACK
- HENCOL 13 SEAL AROUND PERIMETER

**Panel Mounting Hole Dim.:**

- Ø0.125 [0.0318] 2 PL
- Ø0.680 [0.02184]
- 0.780 [0.01930]

**Connector to Accept Deutsch DT08-88 Connector or Equivalent:**

- Ø0.2011 [0.05107]
- MARK PART NUMBER & DATE CODE

**Notes:**

- 0.430 [0.017] FLAT
- 0.525 [0.021] FLAT
- 0.575 [0.0228]

**Special Characteristics:**

- Critical Dimensions, relating to safety under Regulatory Compliance
- Critical Dimensions relating to Process Control
- Critical Dimensions relating to Parts - Functional as defined by Cole Hersee Company
- Critical Dimensions relating to Parts - Functional as defined by Cole Hersee Company (Note that the identification of eg. Characteristics is being "randomized" only after the equipment that all specified Characteristics & tolerances must be met).

**Drawn by:**

Probason Co. or Ref.

**Date:**

5/2/12

**Drawn:**

PMV

**Revised by:**

Engineer: JT

**Created using AutoCad Inventor**

**Description:**

SW, ROT, 2POS, KNOB

**Drawing/Part No.:**

95062-17

**Current Rev.:**

B