

**OMNIMATE Housing - series CH20M  
SHL-SMT 5.00/03GL 5.9BX**

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**Naturally, the CH20M system also shows its perfection in the peripheral interface.**

If you are taking into consideration design options, processing, usability, reliability and security, then pin headers and connectors are just as critical in the real world as the entire system.

In every sector, the connection technology is at the top of its class.

- **100% non-interchangeable** the unique, captive "Auto-Set" encoding ensures a misconnection-proof assignment of the connections.
- **100% safe** Touch protection for the pin header and socket block on both sides
- **100% efficient** All THR pin headers are reflow compatible

**General ordering data**

|              |                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------|
| Type         | SHL-SMT 5.00/03GL 5.9BX                                                                                       |
| Order No.    | <a href="#">1069760000</a>                                                                                    |
| Version      | PCB plug-in connector, male header, 5.00 mm, No. of poles: 3, 90°, Solder pin length (l): 5.9 mm, tinned, Box |
| GTIN (EAN)   | 4032248825196                                                                                                 |
| Qty.         | 120 pc(s).                                                                                                    |
| Product data | IEC: 400 V<br>UL: 300 V / 9 A / AWG 26 - AWG 12                                                               |
| Packaging    | Box                                                                                                           |

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## Technische Daten

### Dimensions and weights

|        |         |            |         |
|--------|---------|------------|---------|
| Length | 23.3 mm | Width      | 15.4 mm |
| Height | 14.4 mm | Net weight | 2.783 g |

### System parameters

|                 |                                 |                                |            |
|-----------------|---------------------------------|--------------------------------|------------|
| Product family  | OMNIMATE Housing - series CH20M | Outgoing elbow                 | 90°        |
| Pitch in mm (P) | 5 mm                            | Pitch in inches (P)            | 0.197 inch |
| No. of poles    | 3                               | Solder pin length (l)          | 5.9 mm     |
| Can be coded    | Yes                             | Number of solder pins per pole | 1          |

### CSA rating data

|                               |        |                               |        |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (Use group B)   | 300 V  | Rated current (use group B)   | 9 A    |
| Rated voltage (Use group C)   | 50 V   | Rated current (use group C)   | 9 A    |
| Rated voltage (use group D)   | 300 V  | Rated current (use group D)   | 9 A    |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |

### UL 1059 rating data

|                               |        |                               |        |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (use group B)   | 300 V  | Rated current (use group B)   | 9 A    |
| Rated voltage (use group C)   | 50 V   | Rated current (use group C)   | 9 A    |
| Rated voltage (use group D)   | 300 V  | Rated current (use group D)   | 9 A    |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |

### Material data

|                           |        |                     |        |
|---------------------------|--------|---------------------|--------|
| UL 94 flammability rating | V-0    | Insulating material | LCP    |
| Contact material          | Cu-Leg | Contact surface     | tinned |

### Rated data according to DIN IEC

|                                                                      |       |                                                                          |       |
|----------------------------------------------------------------------|-------|--------------------------------------------------------------------------|-------|
| Rated current, max. no. of poles (Tu=20°C)                           | 10 A  | Rated current, number of poles (Tu=40°C), max.                           | 9 A   |
| Rated voltage for surge voltage class pollution degree II/2          | 400 V | Rated voltage for surge voltage class pollution degree III/2             | 320 V |
| Rated voltage for surge voltage class pollution degree III/3         | 250 V | Rated impulse voltage for surge voltage class pollution degree II/2      | 4 kV  |
| Rated impulse voltage for surge voltage class pollution degree III/2 | 4 kV  | Rated impulse voltage for surge voltage class contamination degree III/3 | 4 kV  |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| eClass 6.2 | 27-26-07-04 | eClass 7.1 | 27-44-04-02 |
|------------|-------------|------------|-------------|

### Approvals

Approvals



ROHS Conform

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## Zeichnungen

