

## CH20M SHL-SMT 5.00/04GL 4.2BX

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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

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| Order No.        | <a href="#">1069640000</a>                                                            |
| Part designation | SHL-SMT 5.00/04GL 4.2BX                                                               |
| Version          | PCB plug-in connector, male header, 5 mm, No. of poles: 4, Solder pin length: , black |
| GTIN (EAN)       | 4032248825080                                                                         |
| Qty.             | 120 pc(s).                                                                            |

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## Technical data

### Dimensions (1)

|        |         |       |         |
|--------|---------|-------|---------|
| Length | 27.6 mm | Width | 20.4 mm |
| Height | 14.4 mm |       |         |

### System parameters

|                          |                           |                             |          |
|--------------------------|---------------------------|-----------------------------|----------|
| Version                  | Connection element, left  | No. of connections          | 4        |
| Type of contact to PCB   | Solder connection, direct | Tolerance for the PCB shape | ±0.15 mm |
| Contact to terminal rail | No                        | Encapsulation option        | No       |

### Material data

|                                                |        |                                                |              |
|------------------------------------------------|--------|------------------------------------------------|--------------|
| Flammability class UL 94                       | V-0    | Insulating material                            | LCP          |
| Colour                                         | black  | Contact material                               | Copper alloy |
| Contact surface                                | tinned | Highest continuous operating temperature, min. | -20 °C       |
| Highest continuous operating temperature, max. | 85 °C  |                                                |              |

### Rating data to DIN IEC

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

### Approvals

Approvals institutes

### Classifications

eClass 6.0 27-26-07-04