

## CPM100P5 - Header

Number of poles: 20, 16A, 2.5mm<sup>2</sup>, 300V, Pitch 5,08 mm,  
Polarized, Connection Angle 180, Green (RAL 6032),  
Soldering technology Wave, UL, VDE, IMQ, CSA



|                      |                            |
|----------------------|----------------------------|
| Number of poles:     | 20                         |
| Number of levels:    | 2                          |
| Sides configuration: | Polarized                  |
| Pitch:               | 5,08 mm                    |
| Voltage:             | 300 V                      |
| Current :            | 16 A                       |
| Wire section:        | 0.05 ÷ 2.5 mm <sup>2</sup> |
| Available approvals: | UL, VDE, IMQ, CSA          |

## General Data

### Features

|                             |           |
|-----------------------------|-----------|
| Screw dimension             | na        |
| Operating temperature range | -40 ÷ 105 |
| Contact resistance          | <15 mOhm  |
| Insulation resistance       | >1 GOhm   |

## Certifications

### CSA (n.LR 102896)

|                 |       |
|-----------------|-------|
| Rated voltage   | 300 V |
| Nominal current | 15 A  |
| Wire section    | 0     |

### IMQ (n.EM672)

|                                       |                     |       |      |
|---------------------------------------|---------------------|-------|------|
| Rated voltage                         | 300 V               |       |      |
| Nominal current                       | 12 A                |       |      |
| Wire section                          | 2.5 mm <sup>2</sup> |       |      |
| Insulating category                   | I                   |       |      |
| Overvoltage category/Pollution degree | III/3               | III/2 | II/2 |
| Impulse voltage                       | 4kV                 | 4kV   | 4kV  |
| Rated voltage                         | 250V                | 300V  | 600V |
| Insulation voltage                    | 250V                | 320V  | 630V |

### UL (n.E167473)

|                 |       |
|-----------------|-------|
| Rated voltage   | 300 V |
| Nominal current | 12 A  |
| Wire section    | 0     |

### VDE (n.40027448 Reg.-Nr. 112754)

|               |       |
|---------------|-------|
| Rated voltage | 250 V |
|---------------|-------|

## VDE (n.40027448 Reg.-Nr. 112754)

|                 |                     |
|-----------------|---------------------|
| Nominal current | 16 A                |
| Wire section    | 2.5 mm <sup>2</sup> |

## Materials

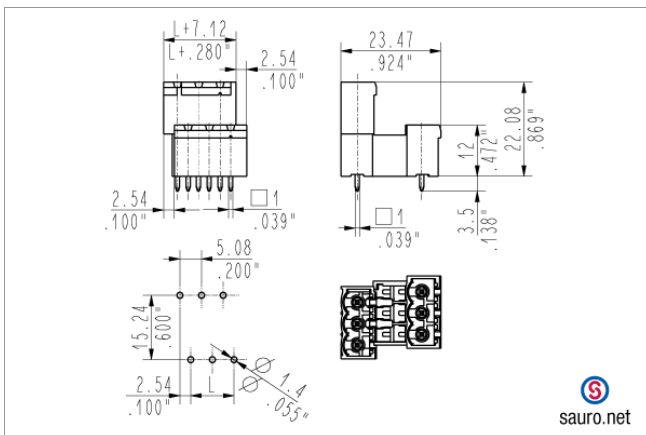
### Components

|                             |                                |
|-----------------------------|--------------------------------|
| Terminal contact            | Nickel and tin on copper alloy |
| NA                          | NA                             |
| Insulating housing material | PA Polyamide                   |
| Insulating material group   | I (CTI >= 600V)                |

### Available colors

|                |                       |
|----------------|-----------------------|
| green          | (similar to RAL 6032) |
| black          | (similar to RAL 9005) |
| light grey     | (similar to RAL 7035) |
| dark gray      | (similar to RAL 7040) |
| orange         | (similar to RAL 2003) |
| blue           | (similar to RAL 5012) |
| red            | (similar to RAL 3017) |
| another colors | (on demand)           |

## Technical drawing



## Derating curve

