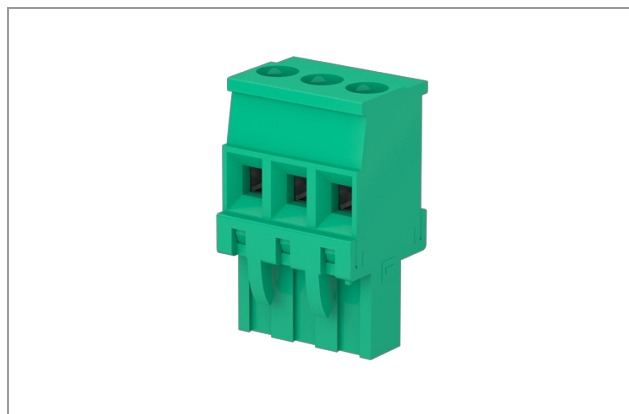


## CVF120R5 - Plug

Number of poles: 12, Clamp tightening, 16A, 2.5mm<sup>2</sup>, 12AWG, 300V, Pitch 5,08 mm, Side stackable, Wiring mode Right, Green (RAL 6032), Soldering technology Not applicable, UL, VDE, IMQ, CSA



|                      |                                          |
|----------------------|------------------------------------------|
| Number of poles:     | 12                                       |
| Number of levels:    | 1                                        |
| Sides configuration: | Side stackable                           |
| Pitch:               | 5,08 mm                                  |
| Voltage:             | 300 V                                    |
| Current :            | 16 A                                     |
| Wire section:        | 0.05 ÷ 2.5 mm <sup>2</sup> / 30 ÷ 12 AWG |
| Available approvals: | UL, VDE, IMQ, CSA                        |

## General Data

### Features

|                             |               |
|-----------------------------|---------------|
| Screw dimension             | M3            |
| Stripping length            | 7.5 mm        |
| Operating temperature range | -40°C ÷ 105°C |
| Contact resistance          | <15 mOhm      |
| Insulation resistance       | >1 GOhm       |

## Certifications

### CSA (n.LR 102896)

|                 |        |
|-----------------|--------|
| Rated voltage   | 300 V  |
| Nominal current | 15 A   |
| Wire section    | 12 AWG |

### 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 | 15 A   |
| Wire section    | 12 AWG |

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

|                     |                     |
|---------------------|---------------------|
| Rated voltage       | 250 V               |
| Nominal current     | 16 A                |
| Wire section        | 2.5 mm <sup>2</sup> |
| Insulating category | III                 |

## Materials

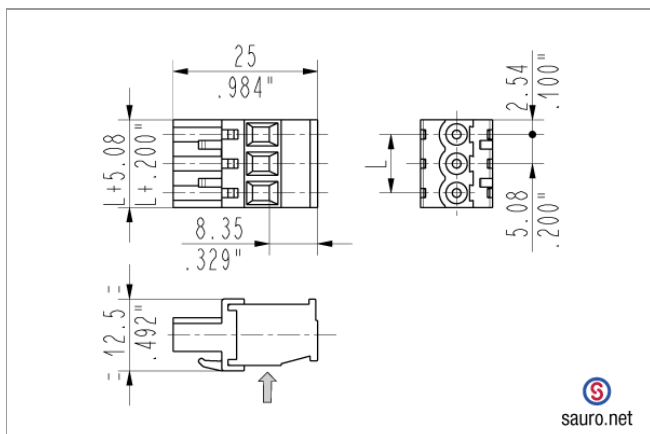
### Components

|                             |                            |
|-----------------------------|----------------------------|
| Screw material              | Nickel-plated copper alloy |
| Spring contact              | Tin-plated copper alloy    |
| Clamp tightening            | Nickel-plated copper alloy |
| 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

