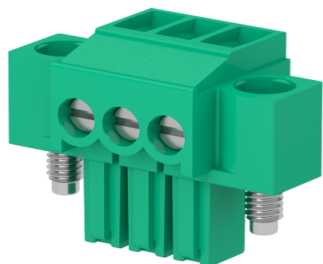


# CTF020V8 - Plug

<https://www.sauro.net/product/CTF020V8>



Number of poles: 2, Clamp tightening, 11A, 1.5mm<sup>2</sup>, 14AWG, 300V, Pitch 3,5 mm, Flanges, Wiring mode Straight, Green (RAL 6032), Soldering technology Not applicable, UL, VDE, IMQ, CSA, CUL

## General data

|                     |                        |
|---------------------|------------------------|
| Number of poles     | 2                      |
| Number of levels    | 1                      |
| Sides configuration | Flanges                |
| Pitch               | 3,5 mm                 |
| Voltage             | 300 V                  |
| Current             | 11 A                   |
| Housing composition | Monolithic             |
| Wire section        | 1.5 mm <sup>2</sup>    |
| Wire section        | 30 AWG ÷ 14 AWG        |
| Available approvals | UL, VDE, IMQ, CSA, CUL |
| Stripping length    | 6 mm                   |

## Features

|                               |                                   |
|-------------------------------|-----------------------------------|
| Screw dimension               | M2                                |
| Recommended tightening torque | 0.2 Nm                            |
| Operating temperature range   | -40°C ÷ 105°C                     |
| Climatic category             | -40/105/21 according to EN60068-1 |
| Contact resistance            | <15 mOhm                          |
| Insulation resistance         | >1 GOhm                           |

## Certifications

<https://www.sauro.net/product/CTF020V8>

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### CSA (n.LR 102896)

|                   |              |
|-------------------|--------------|
| Rated voltage     | 300 V        |
| Nominal current   | 11 A         |
| Wire section      | 16 AWG       |
| Tightening torque | 2.7 lbf x in |

### CUL (n.E48521)

|                 |                 |
|-----------------|-----------------|
| Rated voltage   | 300 V           |
| Nominal current | 11 A            |
| Wire section    | 30 AWG ÷ 14 AWG |

### CUL (n.E167473)

|                 |                 |
|-----------------|-----------------|
| Rated voltage   | 300 V           |
| Nominal current | 11 A            |
| Wire section    | 30 AWG ÷ 14 AWG |

### IMQ (n.CA02.00901)

|                                       |                                           |       |       |
|---------------------------------------|-------------------------------------------|-------|-------|
| Rated voltage                         | 150 V                                     |       |       |
| Nominal current                       | 11 A                                      |       |       |
| Wire section solid / stranded         | 1.5 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |       |       |
| Tightening torque                     | 0.2 Nm                                    |       |       |
| Insulating category                   | I                                         |       |       |
| Overvoltage category/Pollution degree | III/3                                     | III/2 | II/2  |
| Impulse voltage                       | 2.5kV                                     | 2.5kV | 2.5kV |
| Rated voltage                         | 150V                                      | 150V  | 300V  |
| Insulation voltage                    | 160V                                      | 160V  | 320V  |
| Maximum temp usage                    | 110                                       |       |       |

### UL (n.E167473)

|                   |                 |   |       |
|-------------------|-----------------|---|-------|
| Usage group       | B               | C | D*    |
| Rated voltage     | 300 V           | - | 300 V |
| Nominal current   | 11 A            |   |       |
| Wire section      | 30 AWG ÷ 14 AWG |   |       |
| Tightening torque | 2.7 lbf x in    |   |       |

\* These limited ratings are applicable to a terminal block for use in or with industrial control equipment whereby the load on any single circuit of the terminal block does not exceed 15A at 51-150V, 10A at 151-300V, or 5A at 301-600V, or the maximum ampere rating, whichever is less.

### VDE (n.40013398 Reg.-Nr. 134066)

|               |       |
|---------------|-------|
| Rated voltage | 130 V |
|---------------|-------|

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# CTF020V8 - Plug

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|                                       |                   |       |      |
|---------------------------------------|-------------------|-------|------|
| Nominal current                       | 11 A              |       |      |
| Wire section                          | 1 mm <sup>2</sup> |       |      |
| Tightening torque                     | 0.2 Nm            |       |      |
| Insulating category                   | III               |       |      |
| Overvoltage category/Pollution degree | III/3             | III/2 | II/2 |
| Maximum temp usage                    | 85                |       |      |

## Materials

|                                                               |                            |
|---------------------------------------------------------------|----------------------------|
| 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)            |
| Flammability rating according to UL94                         | V0                         |
| Glow Wire Flammability Index GWFI according to EN60695-2-12   | 850°C                      |
| Glow Wire Ignition Temperature GWIT according to EN60695-2-13 | 775°C                      |

## Available colors

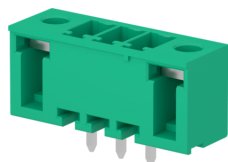
|               |                     |
|---------------|---------------------|
| Green         | similar to RAL 6032 |
| Dark green    | similar to RAL 6017 |
| Black         | similar to RAL 9005 |
| Light gray    | similar to RAL 7035 |
| Dark gray     | similar to RAL 7040 |
| Orange        | similar to RAL 2003 |
| Blue          | similar to RAL 5012 |
| Brown         | similar to RAL 8028 |
| Yellow        | similar to RAL 1018 |
| White         | similar to RAL 9001 |
| Red           | similar to RAL 3017 |
| Another color | on demand           |

<https://www.sauro.net/product/CTF020V8>

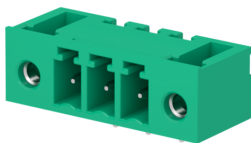
# CTF020V8 - Plug

<https://www.sauro.net/product/CTF020V8>

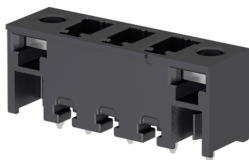
## Usable with



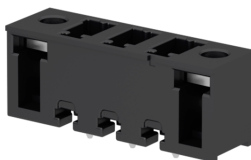
CTM020V8



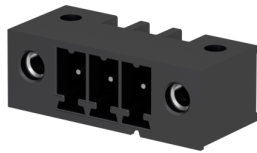
CTM029V8



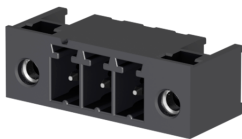
CTMH020F8-0N



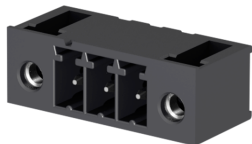
CTMH020V8-0N



CTMH025V8-0N



CTMH029F8-0N



CTMH029V8-0N

