

# UEG 20 - Electronics housing

2790211

<https://www.phoenixcontact.com/us/products/2790211>

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Electronic housing, for PCB insertion, fully equipped with 4 screw or tab connections per side



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2790211       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC11          |
| Product key                          | ACHCCA        |
| GTIN                                 | 4017918072292 |
| Weight per piece (including packing) | 48.043 g      |
| Weight per piece (excluding packing) | 42.9 g        |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

## Technical data

### Product properties

|                              |  |
|------------------------------|--|
| Product type                 | Complete housing                             |
| Housing type                 | Component housing                            |
| Housing series               | UEG  |
| Product family               | UEG  |
| Type                         | Connection system integrated, housing closed |
| Number of positions          | 8  |
| Pitch                        | 5 mm   |
| Number of rows               | 2  |
| Ventilation openings present | no   |
| Pin layout                   | Linear pinning                               |

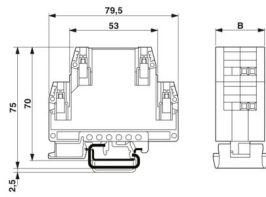
### Electrical properties

|                       |  |
|-----------------------|--|
| Nominal voltage $U_N$ | 500 V (Voltage and current values are affected by the configuration of the printed circuit board.) |
| Nominal current $I_N$ | 10 A   |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 20 mm  |
| Installed height    | 70 mm  |
| Height NS 35/7,5    | 70 mm  |
| Depth               | 79.5 mm  |
| Pitch               | 5 mm   |

### Material specifications

|  |                  |
|--|------------------|
| Color (Housing)                        | green (RAL 6021) |
| Material Housing                       | PA               |
| Flammability rating according to UL 94 | V0               |

### Environmental and real-life conditions

Power dissipation single housing for 20 °C

|                     |       |
|---------------------|-------|
| Ambient temperature | 20 °C |
|---------------------|-------|

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|                  |   |
|------------------|---|
| Reduction factor | 1 |
|------------------|---|

## Power dissipation single housing for 30 °C

|                     |       |
|---------------------|-------|
| Ambient temperature | 30 °C |
| Reduction factor    | 0.78  |

## Power dissipation single housing for 40 °C

|                     |       |
|---------------------|-------|
| Ambient temperature | 40 °C |
| Reduction factor    | 0.61  |

## Power dissipation single housing for 50 °C

|                     |       |
|---------------------|-------|
| Ambient temperature | 50 °C |
| Reduction factor    | 0.48  |

## Power dissipation single housing for 60 °C

|                     |       |
|---------------------|-------|
| Ambient temperature | 60 °C |
| Reduction factor    | 0.37  |

## Ambient conditions

|   |  |
|---|--|
| Ambient temperature (operation)         | -40 °C ... 105 °C (depending on power dissipation) |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C                                   |
| Ambient temperature (assembly)          | -5 °C ... 100 °C                                   |

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
| Pin layout    | Linear pinning    |

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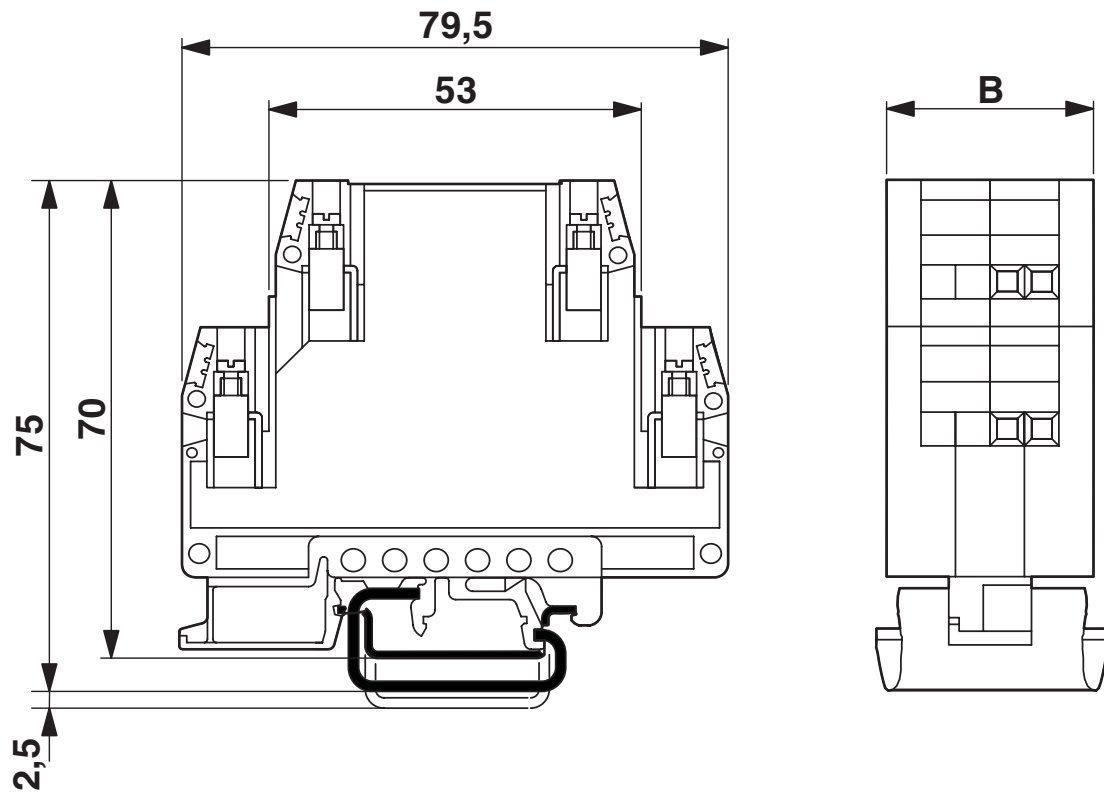
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## Drawings

Dimensional drawing



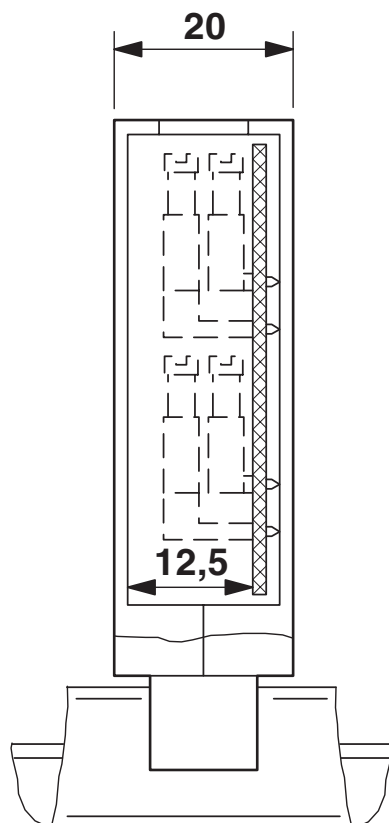
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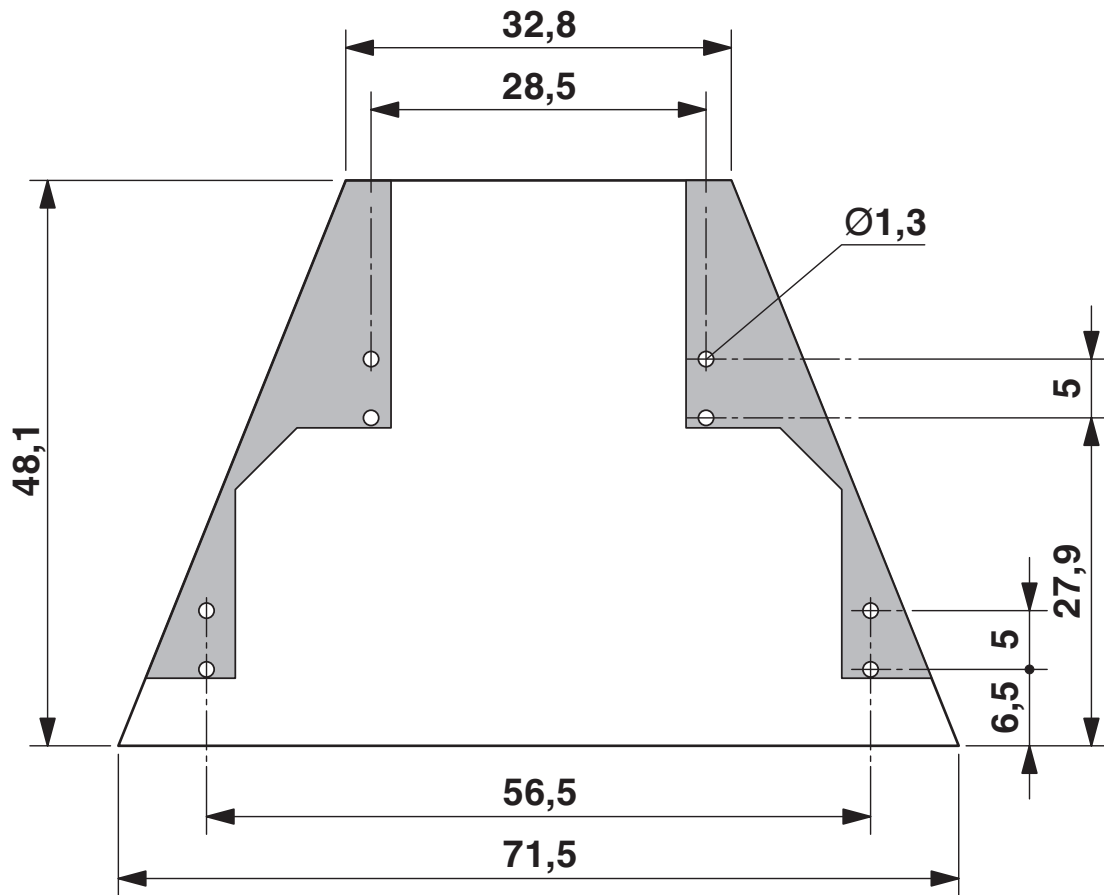


Dimensional drawing

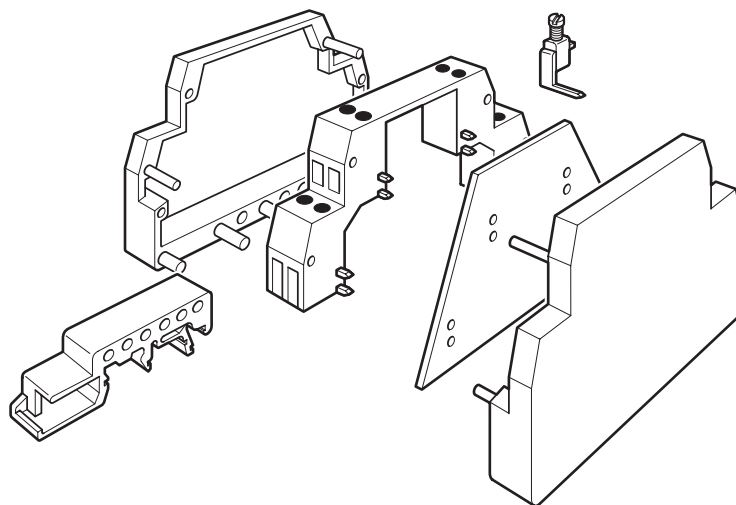


UEG 20 with 1 PCB, up to max. 8 pos.

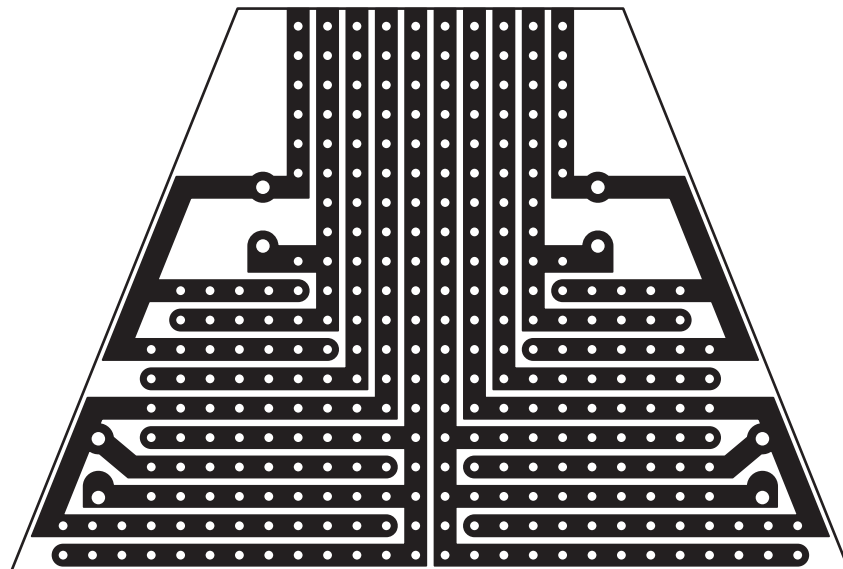
Dimensional drawing



Exploded view



Schematic diagram




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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2790211>

|  <b>cULus Recognized</b><br>Approval ID: E60425-19770427 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| B   | 300 V                 | 10 A                  | 30 - 12           | -                           |
| D   | 300 V                 | 10 A                  | 30 - 12           | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190501 |
| ECLASS-15.0 | 27190501 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001031 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.343 kg CO2e |
|---------|---------------|

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