

# PRC 20/2-C1-BD-Y - Distribution block



1526179

<https://www.phoenixcontact.com/us/products/1526179>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Distribution block, Range of articles: PRC 20, design: Y distributor, color: black, number of positions: 2, rated voltage: 400 V, rated current: 20 A, Setting option for release: 1. with a tool or 2. by hand, scope: AC

## Your advantages

- Less wiring effort on the construction site thanks to plug-and-play
- Fewer wiring errors due to 100% check during production
- Plug and forget thanks to the use of tried-and-tested materials
- Manual or tool locking – you decide on site in no time
- Designed for extreme ambient conditions

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1526179       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | A16           |
| Product key                          | ABLHCA        |
| GTIN                                 | 4063151995713 |
| Weight per piece (including packing) | 148.8 g       |
| Weight per piece (excluding packing) | 121.47 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | PL            |

## Technical data

### Notes

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Order information:  | Setting option for release: 1. with a tool or 2. by hand |
| Note on application | For assembly notes, please refer to the packing slip     |

### Product properties

|                     |                   |
|---------------------|-------------------|
| Product type        | Power distributor |
| Product family      | PRC 20            |
| Area of application | AC                |
| Type                | Y distributor     |
| Number of positions | 2                 |
| Connection profile  | 2                 |
| Coding              | 2-C1              |

### Insulation characteristics

|                  |                                      |
|------------------|--------------------------------------|
| Protection class | II (double or reinforced insulation) |
|------------------|--------------------------------------|

### Dimensions

|        |          |
|--------|----------|
| Width  | 77.3 mm  |
| Height | 36.5 mm  |
| Length | 115.5 mm |

### Electrical properties

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Nominal voltage ATD | 400 V (III/2.00) in accordance with IEC 61984                                        |
|                     | 500 V AC (III/2.00) in accordance with IEC 61535                                     |
|                     | 600 V AC / DC (III/2.00) in accordance with UL 2238 / UL 2237                        |
|                     | 500 V DC (III/2.00) in accordance with IEC 61535                                     |
| Rated current       | 20 A (With 2.5 mm <sup>2</sup> conductor cross-section in accordance with IEC 61984) |
|                     | 20 A (With 2.5 mm <sup>2</sup> conductor cross-section in accordance with IEC 61535) |
|                     | 20 A (With 2.5 mm <sup>2</sup> /AWG 14, in accordance with UL 2238)                  |

### Mechanical properties

#### Mechanical data

|                             |                                          |
|-----------------------------|------------------------------------------|
| Insertion/withdrawal cycles | 500 (Test specification: IEC 60512-13-2) |
|-----------------------------|------------------------------------------|

### Material specifications

|                          |                                   |
|--------------------------|-----------------------------------|
| Color (Housing)          | black (RAL 9005)                  |
| Material Contact carrier | PPE                               |
| Material Contact         | CuZn (Contact material, Pb < 0.1) |
| Material Housing         | PPE                               |
| Material Seal            | EPDM (Housing seal)               |

# PRC 20/2-C1-BD-Y - Distribution block



1526179

<https://www.phoenixcontact.com/us/products/1526179>

|                                |      |
|--------------------------------|------|
| Material Pin connector pattern | EPDM |
|--------------------------------|------|

## Cable/line

|              |                                                         |
|--------------|---------------------------------------------------------|
| Halogen-free | yes (in accordance with IEC 61249-2-21:2003- 11 Cl.3.1) |
|--------------|---------------------------------------------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| Degree of protection (when plugged in)  | IP68 (2 m / 2 h)                    |
|                                         | IP68 (2 m / 2 h)                    |
| Degree of protection                    | IP66                                |
|                                         | IP68 (2 m / 2 h)                    |
|                                         | IP69                                |
| Category of shock impact                | IK08 (-25°C)                        |
| Ambient temperature (operation)         | -40 °C ... 85 °C (observe derating) |
| Ambient temperature (storage/transport) | -40 °C ... 75 °C                    |
| Ambient temperature (assembly)          | -5 °C ... 85 °C                     |

## Standards and regulations

|                          |                |
|--------------------------|----------------|
| Standards/specifications | IEC 61984:2008 |
|                          | IEC 61535:2019 |
|                          | UL 2238        |
|                          | UL 2237        |

# PRC 20/2-C1-BD-Y - Distribution block



1526179

<https://www.phoenixcontact.com/us/products/1526179>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1526179>

|  <b>VDE Zeichengenehmigung</b><br>Approval ID: 330887-TL3-1 |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                              | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                        |                       |                       |                   |                             |
|                                                                                                                                              | 500 V                 | 20 A                  | -                 | 0.5 - 2.5                   |

|  <b>UL Listed</b><br>Approval ID: E221474-20240312 |                       |                       |                   |                             |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                     | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                               |                       |                       |                   |                             |
|                                                                                                                                     | 600 V                 | 20 A                  | -                 | -                           |

|  <b>cUL Listed</b><br>Approval ID: E221474-20240312 |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                        | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                                        | 600 V                 | 20 A                  | -                 | -                           |

# PRC 20/2-C1-BD-Y - Distribution block



1526179

<https://www.phoenixcontact.com/us/products/1526179>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440603 |
| ECLASS-15.0 | 27440603 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002567 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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.)     | Triphenyl phosphate(CAS: 115-86-6)       |
| SCIP                                    | d1c22c8d-eabb-4b49-b6c4-d127d787e479     |

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)