

# PRC 20/2-C2-BD-Y - Distribution block



1526180

<https://www.phoenixcontact.com/us/products/1526180>

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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: DC

## 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                          | 1526180       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | A16           |
| Product key                          | ABLHCA        |
| GTIN                                 | 4063151994679 |
| Weight per piece (including packing) | 121.47 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 | DC                |
| Type                | Y distributor     |
| Number of positions | 2                 |
| Connection profile  | 2                 |
| Coding              | 2-C2              |

### 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)               |

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|                                |      |
|--------------------------------|------|
| 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        |

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## Approvals

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|  <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                  | -                 | -                           |

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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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.) | Triphenyl phosphate(CAS: 115-86-6)   |
| SCIP                                | 000455c5-59c6-4f73-ad32-a0a178b4ba3b |

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