

<https://www.phoenixcontact.com/cn/products/1602290>

## Connector set - DC-B 6-SET-3D-M20-M-7X4-UT - 1602290


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Duplicon, aluminum distributor set with a basic housing (enclosed bottom), with three stackable housings with M20 cable screw connection threads (without cable screw connections), with three contact inserts 6 x 4 mm<sup>2</sup> + PE, 400/690 V, 25 A, screw connection and a housing cover, type B6, IP67 protection



### Key Commercial Data

|                      |   |
|----------------------|---|
| Packing unit         | 1 STK   |
| GTIN                 | <br>4 046356 027991 |
| GTIN                 | 4046356027991   |
| Custom tariff number | 8536909000  |
| Sales Key            | BF7BFX  |

### Technical data

#### Dimensions

|        |        |
|--------|--------|
| Height | 151 mm |
|--------|--------|

#### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Degree of protection            | IP65/IP66/IP67    |
| Ambient temperature (operation) | -40 °C ... 100 °C |

#### Electrical characteristics

|                       |   |
|-----------------------|---|
| Rated voltage (III/3) | 400 V (L-PE)  |
|                       | 690 V (L-L)   |
| Rated surge voltage   | 6 kV  |
| Rated current         | 25 A (with 4 mm <sup>2</sup> conductor cross section) |
| Maximum load current  | 32 A (L1/L2/L3)                                       |
| Overvoltage category  | III   |
| Degree of pollution   | 3   |

#### Material data

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### Technical data

#### Material data

|                              |                   |
|------------------------------|-------------------|
| Contact material             | Cu                |
| Contact surface material     | Ag                |
| Contact carrier material     | PA                |
| Housing material             | Aluminum die-cast |
| Housing surface material     | EMC-conductive    |
| Seal material                | NBR               |
| Locking latch material       | Stainless steel   |
| Material grip body interlock | PA                |

#### General

|   |   |
|---|---|
| Design                                  | DC-B6   |
| Color                                   | pearl gray  |
| Insertion/withdrawal cycles             | ≥ 100   |
| Number of positions                     | 6   |
| Stripping length of the individual wire | 10 mm   |
| Conductor cross section                 | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> (6 mm <sup>2</sup> without ferrule) |
| Connection cross section AWG            | 24 ... 12 (AWG 10 without ferrule)  |
| Tightening torque                       | 0.5 Nm ... 0.6 Nm   |
| Pg screw connection                     | none  |
| Type of the screw connection            | with M20 thread   |
| Cable exit                              | lateral   |

#### Standards and Regulations

|  |     |
|--|-----|
| Connection in acc. with standard       | CUL |
| Flammability rating according to UL 94 | V0  |

#### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Approvals

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UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals


#### Approval details


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### Approvals

|                            |   |   |               |
|----------------------------|---|---|---------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
|                            |   |   |               |
| mm <sup>2</sup> /AWG/kcmil | 12  |   |               |
| Nominal current IN         | 25 A  |   |               |
| Nominal voltage UN         | 600 V   |   |               |

|  |   |   |          |
|--|---|---|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> | 40017400 |
|  |   |   |          |
| Nominal current IN                         | 25 A  |   |          |
| Nominal voltage UN                         | 690 V   |   |          |

|                            |   |   |               |
|----------------------------|---|---|---------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
|                            |   |   |               |
| mm <sup>2</sup> /AWG/kcmil | 12  |   |               |
| Nominal current IN         | 25 A  |   |               |
| Nominal voltage UN         | 600 V   |   |               |

|     |   |                     |
|-----|---|---------------------|
| EAC |  | 7500651.22.01.00246 |
|-----|---|---------------------|

|                  |   |   |
|------------------|---|---|
| cULus Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> |
|------------------|---|---|