

## Printed-circuit board connector - ZEC 1,0/ 8-ST-3,5C2R1,8YEBDM12 - 1705106

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PCB direct plug, nominal current: 8 A, number of positions: 8, pitch: 3.5 mm, connection method: Spring-cage connection, color: yellow, contact surface: Tin, mounting: Direct plug-in method

The figure shows a 10-position version of the product

### Your advantages

- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Inexpensive direct plug-in connection with just one component
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Plug-in direction parallel to the PCB



### Key Commercial Data

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| Packing unit           | 50 pc                                                                                |
| Minimum order quantity | 50 pc                                                                                |
| GTIN                   |  |
| GTIN                   | 4046356009713                                                                        |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Pitch       | 3.5 mm  |
| Dimension a | 24.5 mm |

#### General

|                                  |                        |
|----------------------------------|------------------------|
| Range of articles                | ZEC 1,0/...-ST         |
| Number of positions              | 8                      |
| Connection method                | Spring-cage connection |
| Rated voltage (III/3)            | 160 V                  |
| Connection in acc. with standard | EN-VDE                 |

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## Technical data

### General

|                       |                   |
|-----------------------|-------------------|
| Nominal current $I_N$ | 8 A               |
| Nominal cross section | 1 mm <sup>2</sup> |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 1 mm <sup>2</sup>    |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 1 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 1 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG max.                                                        | 16                   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL                                                         | 26                   |
| Maximum AWG according to UL/CUL                                                         | 16                   |

### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CUL    |

### Environmental Product Compliance

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

## Approvals

### Approvals

#### Approvals

CCA / IECCE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

#### Ex Approvals

### Approval details

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## Approvals

|                    |           |
|--------------------|-----------|
| CCA                | DE1 34215 |
| Nominal voltage UN | 1000 V    |
| Nominal current IN | 10 A      |

|                    |  |                                                                                   |                                                           |           |
|--------------------|--|-----------------------------------------------------------------------------------|-----------------------------------------------------------|-----------|
| IECEE CB Scheme    |  |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-51128 |
|                    |  |                                                                                   |                                                           |           |
| Nominal voltage UN |  | 1000 V                                                                            |                                                           |           |
| Nominal current IN |  | 10 A                                                                              |                                                           |           |

|                                            |                                                                                   |                                                                                                                                                                                                                |          |
|--------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/<br/>VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40020343 |
|                                            |                                                                                   |                                                                                                                                                                                                                |          |
| Nominal voltage UN                         | 160 V                                                                             |                                                                                                                                                                                                                |          |
| Nominal current IN                         | 8 A                                                                               |                                                                                                                                                                                                                |          |
| mm²/AWG/kcmil                              | 0.2-1                                                                             |                                                                                                                                                                                                                |          |

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|---------|

|                    |  |                                                                                     |                                                                                                                                                       |                 |
|--------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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> | E60425-19941110 |
|                    |  | B                                                                                   |                                                                                                                                                       |                 |
| Nominal voltage UN |  | 150 V                                                                               |                                                                                                                                                       |                 |
| Nominal current IN |  | 8 A                                                                                 |                                                                                                                                                       |                 |
| mm²/AWG/kcmil      |  | 26-16                                                                               |                                                                                                                                                       |                 |