

## MKDSP 10N/ 3-10,16 BD:-SERD - 1705488

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PCB terminal block, nominal current: 76 A, nom. voltage: 1000 V, pitch: 10.16 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

The figure shows a 5-pos. version of the product

### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Quick and convenient testing using integrated test option
- ✓ The latching on the side enables various numbers of positions to be combined
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                |
| GTIN         |  |
| GTIN         | 4046356770507                                                                        |

### Technical data

#### Dimensions

|                |          |
|----------------|----------|
| Length [ l ]   | 18.4 mm  |
| Pitch          | 10.16 mm |
| Dimension a    | 20.32 mm |
| Width [ w ]    | 30.48 mm |
| Height         | 29.3 mm  |
| Height [ h ]   | 34.3 mm  |
| Solder pin [P] | 5 mm     |
| Hole diameter  | 1.5 mm   |

#### General

# MKDSP 10N/ 3-10,16 BD:-SERD - 1705488

## Technical data

### General

|                                  |                    |
|----------------------------------|--------------------|
| Range of articles                | MKDSP 10N          |
| Rated surge voltage (III/3)      | 8 kV               |
| Rated surge voltage (III/2)      | 8 kV               |
| Rated surge voltage (II/2)       | 6 kV               |
| Rated voltage (III/3)            | 690 V              |
| Rated voltage (III/2)            | 1000 V             |
| Rated voltage (II/2)             | 1000 V             |
| Connection in acc. with standard | EN-VDE             |
| Nominal current $I_N$            | 76 A               |
| Nominal cross section            | 10 mm <sup>2</sup> |
| Internal cylindrical gage        | B6                 |
| Stripping length                 | 10 mm              |
| Number of positions              | 3                  |
| Screw thread                     | M4                 |
| Tightening torque, min           | 1.2 Nm             |
| Tightening torque max            | 1.5 Nm             |

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Conductor cross section AWG min.                                                        | 20                  |
| Conductor cross section AWG max.                                                        | 6                   |
| 2 conductors with same cross section, solid min.                                        | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded min.                                     | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 2.5 mm <sup>2</sup> |
| 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. | 6 mm <sup>2</sup>   |

### Standards and Regulations

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

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

# MKDSP 10N/ 3-10,16 BD:-SERD - 1705488

## Approvals

### Approvals

#### Approvals

CCA / IECCEB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                            |  |                |  |
|----------------------------|--|----------------|--|
| CCA                        |  | CCA/ DE1 34205 |  |
|                            |  |                |  |
| Nominal voltage UN         |  | 1000 V         |  |
| Nominal current IN         |  | 76 A           |  |
| mm <sup>2</sup> /AWG/kcmil |  | 0.5-16         |  |

|                    |  |                                                                                     |                                                           |           |
|--------------------|--|-------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------|
| IECEE CB Scheme    |  |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58858 |
|                    |  |                                                                                     |                                                           |           |
| Nominal voltage UN |  | 1000 V                                                                              |                                                           |           |
| Nominal current IN |  | 76 A                                                                                |                                                           |           |
| mm²/AWG/kcmil      |  | 0.5-16                                                                              |                                                           |           |

|                                            |  |                                                                                     |                                                                                                                                                                                                                |          |
|--------------------------------------------|--|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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> | 40035740 |
|                                            |  |                                                                                     |                                                                                                                                                                                                                |          |
| Nominal voltage UN                         |  | 1000 V                                                                              |                                                                                                                                                                                                                |          |
| Nominal current IN                         |  | 76 A                                                                                |                                                                                                                                                                                                                |          |
| mm²/AWG/kcmil                              |  | 0.5-16                                                                              |                                                                                                                                                                                                                |          |

|     |  |                                                                                     |  |         |  |
|-----|--|-------------------------------------------------------------------------------------|--|---------|--|
| 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> |  | E60425-19770427 |  |
|                    |  | D                                                                                                                                                                                                                                         |  | B               |  |
|                    |  | C                                                                                                                                                                                                                                         |  |                 |  |
| Nominal voltage UN |  | 600 V                                                                                                                                                                                                                                     |  | 300 V           |  |
|                    |  | 300 V                                                                                                                                                                                                                                     |  |                 |  |

## MKDSP 10N/ 3-10,16 BD:-SERD - 1705488

### Approvals

|                                | D    | B    | C    |
|--------------------------------|------|------|------|
| Nominal current I <sub>N</sub> | 5 A  | 60 A | 60 A |
| mm <sup>2</sup> /AWG/kcmil     | 20-6 | 20-6 | 20-6 |

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