

## Screw compact terminal block - PT 2,5/ 3-7,5-V-S - 1705724

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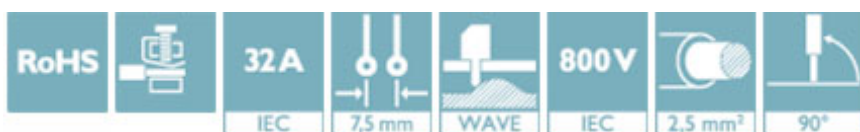
PCB terminal block, nominal current: 32 A, nom. voltage: 800 V, pitch: 7.5 mm, number of positions: 3, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: green



The figure shows a 10-position version of the product

### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ High terminal block capacity thanks to rectangular terminal block space
- ✓ Allows connection of two conductors
- ✓ The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| Packing unit           | 250 pc                                                                               |
| Minimum order quantity | 250 pc                                                                               |
| GTIN                   |  |
| GTIN                   | 4046356032490                                                                        |

### Technical data

#### Dimensions

|                |         |
|----------------|---------|
| Length [ l ]   | 13.5 mm |
| Pitch          | 7.5 mm  |
| Dimension a    | 15 mm   |
| Height         | 13.1 mm |
| Height [ h ]   | 9 mm    |
| Solder pin [P] | 4.1 mm  |
| Pin spacing    | 7.5 mm  |
| Hole diameter  | 1.3 mm  |

#### General

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## Technical data

### General

|                                        |                     |
|----------------------------------------|---------------------|
| Range of articles                      | PT 2,5/..-V         |
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 6 kV                |
| Rated surge voltage (III/2)            | 6 kV                |
| Rated surge voltage (II/2)             | 6 kV                |
| Rated voltage (III/3)                  | 500 V               |
| Rated voltage (III/2)                  | 800 V               |
| Rated voltage (II/2)                   | 1000 V              |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 32 A                |
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 32 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A3                  |
| Stripping length                       | 6.5 mm              |
| Number of positions                    | 3                   |
| Screw thread                           | M3                  |
| Tightening torque, min                 | 0.5 Nm              |
| Tightening torque max                  | 0.5 Nm              |

### Connection data

|                                                                            |                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor cross section solid min.                                         | 0.75 mm <sup>2</sup>                                                                                                                                                                                                              |
| Conductor cross section solid max.                                         | 6 mm <sup>2</sup>                                                                                                                                                                                                                 |
| Conductor cross section flexible min.                                      | 0.75 mm <sup>2</sup>                                                                                                                                                                                                              |
| Conductor cross section flexible max.                                      | 4 mm <sup>2</sup>                                                                                                                                                                                                                 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.75 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 4 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.75 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 4 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.    |
| Conductor cross section AWG min.                                           | 18                                                                                                                                                                                                                                |
| Conductor cross section AWG max.                                           | 10                                                                                                                                                                                                                                |
| 2 conductors with same cross section, solid min.                           | 0.75 mm <sup>2</sup>                                                                                                                                                                                                              |
| 2 conductors with same cross section, solid max.                           | 2.5 mm <sup>2</sup>                                                                                                                                                                                                               |

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## Technical data

### Connection data

|                                                                                         |                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 conductors with same cross section, stranded min.                                     | 0.75 mm <sup>2</sup>                                                                                                                                                                                                             |
| 2 conductors with same cross section, stranded max.                                     | 2.5 mm <sup>2</sup>                                                                                                                                                                                                              |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.75 mm <sup>2</sup>                                                                                                                                                                                                             |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm <sup>2</sup>                                                                                                                                                                                                             |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |

### Standards and Regulations

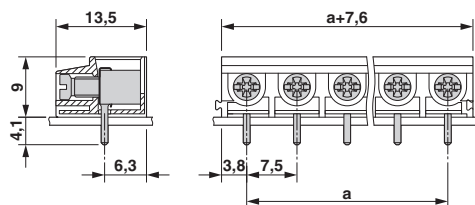
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

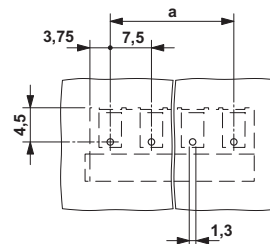
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                     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

## Drawings

Dimensional drawing



Drilling diagram



## Approvals

### Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

## Screw compact terminal block - PT 2,5/ 3-7,5-V-S - 1705724

### Approvals

#### Approval details

|     |                                                                                   |         |
|-----|-----------------------------------------------------------------------------------|---------|
| 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> | E60425-20030211 |
|                    | D                                                                                 | B                                                                                                                                                     | C               |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                                 | 150 V           |
| Nominal current IN | 10 A                                                                              | 20 A                                                                                                                                                  | 20 A            |
| mm²/AWG/kcmil      | 20-12                                                                             | 20-12                                                                                                                                                 | 20-12           |

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