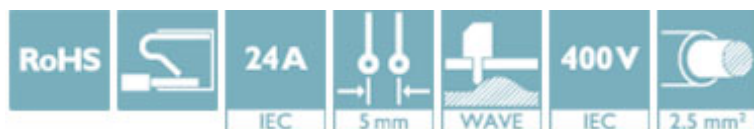


## PCB terminal block - PTDA 2,5/ 6-5,0 GY - 1701983

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PCB terminal block, nominal current: 24 A, pitch: 5 mm, number of positions: 6, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: gray



### Key Commercial Data

|                      |                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------|
| Packing unit         | 1                                                                                                     |
| GTIN                 | <br>4 046356 568647 |
| GTIN                 | 4046356568647                                                                                         |
| Custom tariff number | 85369010                                                                                              |

### Technical data

#### Dimensions

|                  |         |
|------------------|---------|
| Length [ l ]     | 16 mm   |
| Pitch            | 5 mm    |
| Dimension a      | 25 mm   |
| Width [ w ]      | 31.4 mm |
| Height           | 16 mm   |
| Height [ h ]     | 19.5 mm |
| Solder pin [ P ] | 3.5 mm  |
| Pin spacing      | 5 mm    |
| Hole diameter    | 1.3 mm  |

#### General

|                                  |           |
|----------------------------------|-----------|
| Range of articles                | PTDA 2,5/ |
| Rated surge voltage (III/3)      | 4 kV      |
| Rated surge voltage (III/2)      | 4 kV      |
| Rated surge voltage (II/2)       | 4 kV      |
| Rated voltage (III/3)            | 320 V     |
| Rated voltage (III/2)            | 400 V     |
| Rated voltage (II/2)             | 630 V     |
| Connection in acc. with standard | EN-VDE    |
| Nominal current $I_N$            | 24 A      |
| Nominal cross section            | 2.5 mm²   |
| Stripping length                 | 10 mm     |

# PCB terminal block - PTDA 2,5/ 6-5,0 GY - 1701983

## Technical data

### General

|                     |   |
|---------------------|---|
| Number of positions | 6 |
|---------------------|---|

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Conductor cross section AWG min.                                                        | 24                  |
| Conductor cross section AWG max.                                                        | 14                  |
| 2 conductors with same cross section, solid min.                                        | 0.2 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 2.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                     | 0.2 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.   | 0.5 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. | 1 mm <sup>2</sup>   |

### 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          |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27261100 |
| eCl@ss 6.0 | 27261100 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |
| ETIM 6.0 | EC002643 |

## PCB terminal block - PTDA 2,5/ 6-5,0 GY - 1701983

### Classifications

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

### Approvals

#### Approvals

#### Approvals

CCA / IEC EE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                            |           |
|----------------------------|-----------|
| CCA                        | DE1 34029 |
| Nominal voltage UN         | 250 V     |
| Nominal current IN         | 24 A      |
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5   |

|                    |  |                                                                                     |                                                           |           |
|--------------------|--|-------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------|
| IECEE CB Scheme    |  |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-46805 |
|                    |  |                                                                                     |                                                           |           |
| Nominal voltage UN |  | 250 V                                                                               |                                                           |           |
| Nominal current IN |  | 24 A                                                                                |                                                           |           |
| mm²/AWG/kcmil      |  | 0.2-2.5                                                                             |                                                           |           |

|                                            |                                                                                     |                                                                                                                                                                                                                |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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> | 40030462 |
|                                            |                                                                                     |                                                                                                                                                                                                                |          |
| Nominal voltage UN                         | 250 V                                                                               |                                                                                                                                                                                                                |          |
| Nominal current IN                         | 24 A                                                                                |                                                                                                                                                                                                                |          |
| mm²/AWG/kcmil                              | 0.2-2.5                                                                             |                                                                                                                                                                                                                |          |

## PCB terminal block - PTDA 2,5/ 6-5,0 GY - 1701983

### Approvals

|     |                                                                                   |         |
|-----|-----------------------------------------------------------------------------------|---------|
| 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                                                                                                                                                     |                 |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                                 |                 |
| Nominal current IN | 10 A                                                                              | 15 A                                                                                                                                                  |                 |
| mm²/AWG/kcmil      | 24-14                                                                             | 24-14                                                                                                                                                 |                 |