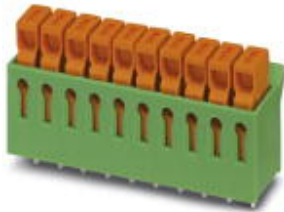


## PCB terminal block - IDC 0,3/ 3-3,81 - 1706183

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PCB terminal block, Nominal current: 5 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Connection method: Displacement connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0°, Color: green

The figure shows a 10-position version of the product

### Product Features

- ✓ The IDC range is suitable for cables with PVC and PE insulation
- ✓ Tool-free connection of insulated conductors in a short assembly time
- ✓ PCB terminal block with fast insulation displacement connection technology and 3.81 mm pitch
- ✓ With a limit frequency of over 100 MHz, the IDC range meets the quality requirements of CAT5 according to EN 50173 and ISO/IEC 11801



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 116682 |
| Weight per Piece (excluding packing) | 2.04 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |

### Technical data

#### Dimensions

|                          |            |
|--------------------------|------------|
| Length                   | 10 mm      |
| Pitch                    | 3.81 mm    |
| Dimension a              | 7.62 mm    |
| Constructional height    | 15 mm      |
| Length of the solder pin | 3.5 mm     |
| Pin dimensions           | 1 x 0,4 mm |

# PCB terminal block - IDC 0,3/ 3-3,81 - 1706183

## Technical data

### Dimensions

|               |        |
|---------------|--------|
| Hole diameter | 1.3 mm |
|---------------|--------|

### General

|  |   |
|--|---|
| Range of articles                      | IDC 0,3   |
| Insulating material group              | I   |
| Rated surge voltage (III/3)            | 2.5 kV  |
| Rated surge voltage (III/2)            | 2.5 kV  |
| Rated surge voltage (II/2)             | 2.5 kV  |
| Rated voltage (III/3)                  | 160 V   |
| Rated voltage (III/2)                  | 160 V   |
| Rated voltage (II/2)                   | 320 V   |
| Connection in acc. with standard       | EN-VDE  |
| Nominal current $I_N$                  | 5 A   |
| Nominal cross section                  | 0.34 mm <sup>2</sup>                                    |
| Maximum load current                   | 5 A (with 0.34 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA  |
| Solder pin surface                     | Sn  |
| Flammability rating according to UL 94 | V0  |
| Number of positions                    | 3   |

### Connection data

|                                       |                      |
|---------------------------------------|----------------------|
| Conductor cross section solid min.    | 0.13 mm <sup>2</sup> |
| Conductor cross section solid max.    | 0.34 mm <sup>2</sup> |
| Conductor cross section flexible min. | 0.22 mm <sup>2</sup> |
| Conductor cross section flexible max. | 0.34 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 26                   |
| Conductor cross section AWG max.      | 22                   |
| Wire diameter incl. insulation        | 1.8 mm               |

### Standards and Regulations

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

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |

# PCB terminal block - IDC 0,3/ 3-3,81 - 1706183

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |

### ETIM

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

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

|   |       |       |
|---|-------|-------|
| CSA  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 28-22 | 28-22 |

# PCB terminal block - IDC 0,3/ 3-3,81 - 1706183

## Approvals

|                    | B     | D     |
|--------------------|-------|-------|
| Nominal current IN | 5 A   | 5 A   |
| Nominal voltage UN | 300 V | 300 V |

UL Recognized

|                            | B     | D     |
|----------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil | 28-22 | 28-22 |
| Nominal current IN         | 5 A   | 5 A   |
| Nominal voltage UN         | 250 V | 300 V |

cUL Recognized

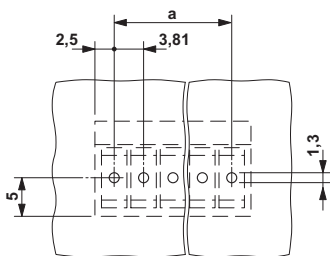
|                            | B     | D     |
|----------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil | 28-22 | 28-22 |
| Nominal current IN         | 5 A   | 5 A   |
| Nominal voltage UN         | 250 V | 300 V |

EAC

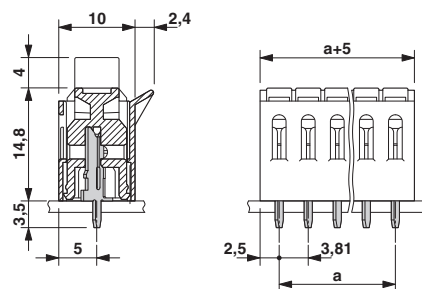
cULus Recognized

## Drawings

Drilling diagram

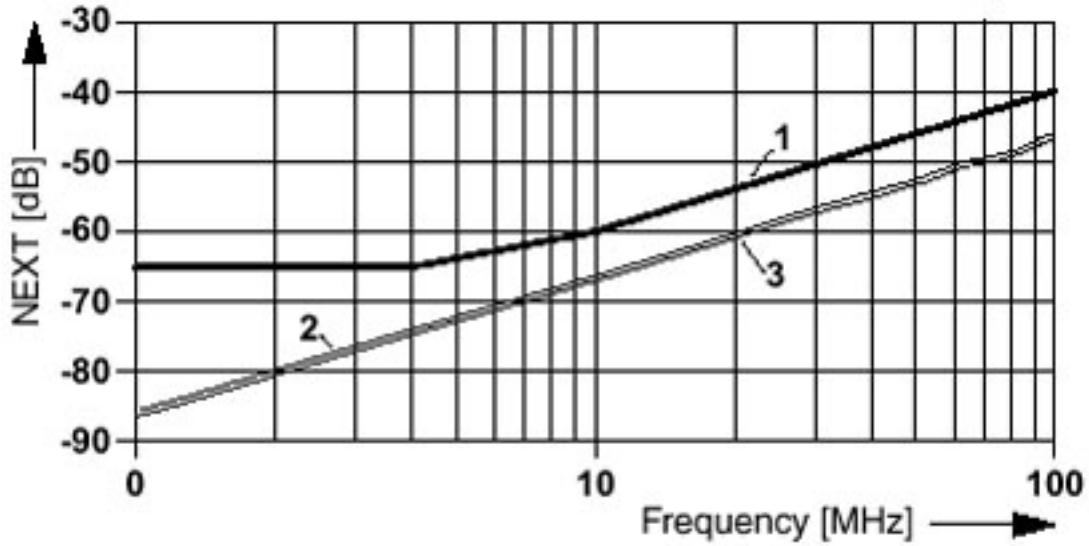


Dimensional drawing



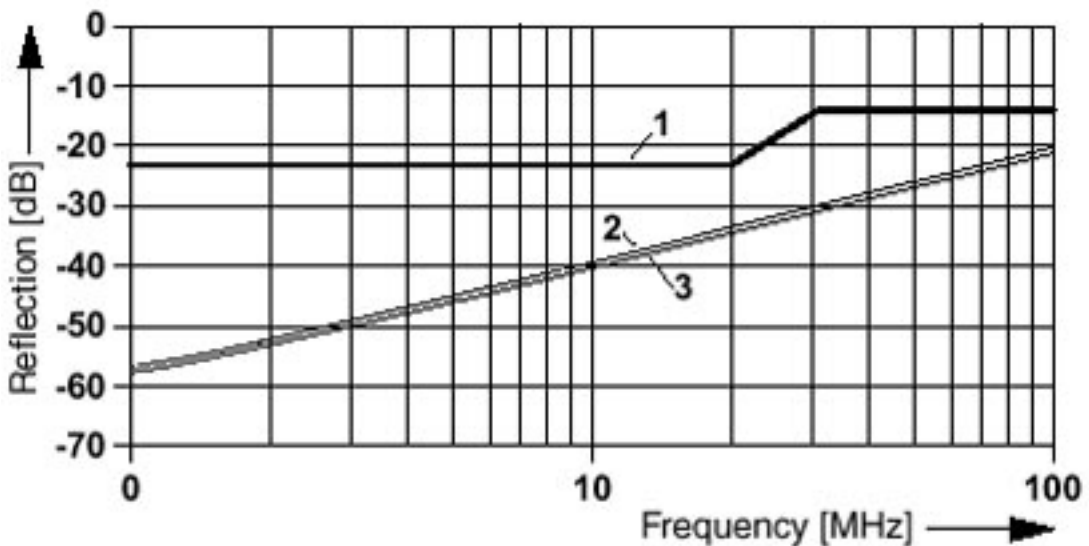
# PCB terminal block - IDC 0,3/ 3-3,81 - 1706183

Diagram



- 1 = Limit values acc. to EN 50173 for connection technology
- 2 = NEXT 12-36 on the soldering tag
- 3 = NEXT 12-36 on the contact terminal block

Diagram



- 1 = Limit values acc. to EN 50173 for connection technology
- 2 = NEXT 12 on the soldering tag
- 3 = NEXT 36 on the soldering tag

