

**Features:**

- *picoMAX*® Female Connectors, with coding keys, 4-pole
- Pre-assembled unit
- Flexible conductor termination
- Customizable connection levels
- Various marking options available
- Sealable, transparent cover
- Commoning via jumpers (859-402)

**Electrical data**

|                               |     |
|-------------------------------|-----|
| Permissible power loss (max.) | 3 W |
|-------------------------------|-----|

**Ratings per IEC/EN 60664-1**

|   |       |
|---|-------|
| Nominal voltage (III/3)                   | 250 V |
| Rated impulse withstand voltage (III / 3) | 4 kV  |
| Rated voltage (III/2)                     | 320 V |
| Rated impulse withstand voltage (III/2)   | 4 kV  |
| Nominal voltage (II/2)                    | 630 V |
| Rated impulse withstand voltage (II/2)    | 4 kV  |
| Rated current                             | 16 A  |

**Ratings per UL 1059**

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 15 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |

**Ratings per CSA**

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A  |

### Connection Data

|   |   |
|---|---|
| Pole number                                       | 4   |
| Number of levels                                  | 3   |
| Number of jumper slots                            | 0   |
| Connection technology                             | Push-in CAGE CLAMP®                         |
| Solid conductor                                   | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor                           | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG |
| Strip length                                      | 9 ... 10 mm / 0.35 ... 0.39 inches          |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 22.5 mm / 0.886 inches |
| Height                            | 112 mm / 4.41 inches   |
| Depth from upper-edge of DIN-rail | 107 mm / 4.213 inches  |
| Pin spacing                       | 5 mm / 0.197 inches    |

### Mechanical data

|               |             |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

### Material data

|                             |  |
|-----------------------------|--|
| Flammability class per UL94 | V0                                     |
| Housing material            | PC                                     |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Fire load                   | 2.229 MJ                               |
| Weight                      | 106.1 g                                |

### Environmental requirements

|                                 |                |
|---------------------------------|----------------|
| Ambient temperature (operation) | -40 ... +70 °C |
| Ambient temperature (storage)   | -40 ... +85 °C |

### Commercial data

|                       |                          |
|-----------------------|--------------------------|
| Product Group         | 6 (INTERFACE ELECTRONIC) |
| PU (SPU)              | 5 pcs                    |
| Packaging type        | Box                      |
| Country of origin     | DE                       |
| GTIN                  | 4050821561446            |
| Customs tariff number | 85472000900              |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121402             |
| eCl@ss 10.0 | 27-18-27-02          |
| eCl@ss 9.0  | 27-18-27-02          |
| ETIM 9.0    | EC001031             |
| ETIM 10.0   | EC001031             |
| ECCN        | NO US CLASSIFICATION |

**Environmental Product Compliance**

|   |  |
|---|--|
| REACH Candidate List Substance            | Perfluorobutane sulfonic acid (PFBS) and its salts |
| RoHS Compliance Status                    | Compliant, No Exemption                            |
| SCIP notification number (Austria)        | 7e380ee9-74af-4972-a5e2-8cbe68601e52               |
| SCIP notification number (Belgium)        | f389bbbed-454a-4276-8ed7-ada5433759e3              |
| SCIP notification number (Bulgaria)       | ac1ccd4c-f068-4b1b-86f4-148f12fbc1e6               |
| SCIP notification number (Czech Republic) | c38893fa-a012-4627-99f7-4cb811e61450               |
| SCIP notification number (Denmark)        | 07765870-3055-4dd4-a8fe-6dbd893feca7               |
| SCIP notification number (Finland)        | e87f43e2-719e-4ca3-9082-3c1260f6b1df               |
| SCIP notification number (France)         | c5fe07e1-16da-4526-9879-5756d64ea7e5               |
| SCIP notification number (Germany)        | d8747c26-b97d-4b80-a951-fa6a73f60418               |
| SCIP notification number (Hungary)        | d696c1e6-0edc-4f3a-9923-cdd0e0551f6e               |
| SCIP notification number (Italy)          | 88c369f9-865e-4602-bffe-faab7c04de80               |
| SCIP notification number (Netherlands)    | 0a997275-70a6-4d10-9db7-665ee6002239               |
| SCIP notification number (Poland)         | 43a63121-6a11-4e59-b8ff-82b7f3232881               |
| SCIP notification number (Romania)        | a8270e15-cb9d-4ae6-827a-675942c6c4d6               |
| SCIP notification number (Sweden)         | 087e1709-3635-4eed-916a-52db5dacc95                |

**Approvals / Certificates**

**General approvals**



| Approval                            | Standard | Certificate Name |
|-------------------------------------|----------|------------------|
| UL<br>UL International Germany GmbH | UL 1059  | E45172           |

**Downloads**

**Environmental Product Compliance**

|   |                   |
|---|-------------------|
| <b>Compliance Search</b>                  |                   |
| Environmental Product Compliance 2857-123 | <a href="#">↓</a> |

**Documentation**

|                 |            |                  |                   |
|-----------------|------------|------------------|-------------------|
| <b>Bid Text</b> |            |                  |                   |
| 2857-123        | 20.02.2019 | docx<br>15.74 KB | <a href="#">↓</a> |
| 2857-123        | 20.02.2019 | xml<br>5.07 KB   | <a href="#">↓</a> |

CAD/CAE-Data

**CAD data**

2D/3D Models  
2857-123

**CAE data**

EPLAN Data Portal  
2857-123

WSCAD Universe  
2857-123

ZUKEN Portal  
2857-123

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



**Item No.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item No.: 216-141**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-242**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-262**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-142**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-243**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-263**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-143**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-244**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-264**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-144**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



**Item No.: 216-106**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; un-insulated; electro-tin plated; silver-colored

1.1.2 Jumper

1.1.2.1 Jumper



**Item No.: 281-482**  
Jumper; 2-way; insulated; gray



**Item No.: 859-402/000-006**  
Jumper; for jumper slot; 2-way; insulated; blue



**Item No.: 859-402**  
Jumper; for jumper slot; 2-way; insulated; light gray



**Item No.: 859-402/000-005**  
Jumper; for jumper slot; 2-way; insulated; red



**Item No.: 859-402/000-029**  
Jumper; for jumper slot; 2-way; insulated; yellow

### 1.1.3 Marking

#### 1.1.3.1 Marker



**Item No.: 2009-141**

Micro-USB-Inline; 2000 pieces on roll; plain; snap-on type; white



**Item No.: 793-5501**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 793-502**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-566**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-503**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-504**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-505**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-506**

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-501**

WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

#### 1.1.3.2 Marking device



**Item No.: 210-110**

Fiber-tip pen

#### 1.1.3.3 Marking strip



**Item No.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

### 1.1.4 System enclosure

#### 1.1.4.1 Stripboard



**Item No.: 2857-193/3140-000**

Stripboards; 3-3 connection levels

### 1.1.5 Tool

#### 1.1.5.1 Coding



**Item No.: 2092-1610**

Coding key carrier; orange

### 1.1.5.2 Operating tool



**Item No.: 210-720**

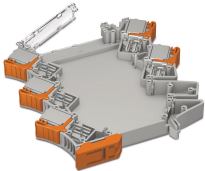
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

**Item No.: 210-657**

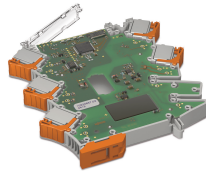
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

## Installation Notes

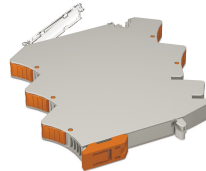
### Installation



1. Pre-assembled unit



2. Insert and solder the PCB



3. Snap on the side wall