



Item description

Features:

- *picoMAX*[®] Female Connectors, with coding keys, 2-pole
- Pre-assembled unit
- Flexible conductor termination
- Customizable connection levels

—
Subject to changes. Please also observe the further product documentation!



- Various marking options available
- Sealable, transparent cover
- Commoning via jumpers (859-402)

Data

Electrical data

| | |
|-------------------------------|-----|
| Permissible power loss (max.) | 2 W |
|-------------------------------|-----|

Ratings per IEC/EN 60664-1

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

Ratings per UL 1059

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

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 | 2 |
| Number of levels | 3 |
| Number of jumper slots | 2 |
| Connection technology | Push-in CAGE CLAMP® |
| Solid conductor | 0.2 ... 2.5 mm ² / 24 ... 12 AWG |
| Fine-stranded conductor | 0.2 ... 2.5 mm ² / 24 ... 12 AWG |

Subject to changes. Please also observe the further product documentation!



| | |
|---|---|
| Fine-stranded conductor; with insulated ferrule | 0.2 ... 1.5 mm ² / 24 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.2 ... 2.5 mm ² / 24 ... 14 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inches |

Physical data

| | |
|-----------------------------------|------------------------|
| Width | 12.5 mm / 0.492 inches |
| Height | 110 mm / 4.331 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) |
| Fire load | 1.556 MJ |
| Weight | 63 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|--------------------------|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0 | 27-18-27-02 |
| eCl@ss 9.0 | 27-18-27-02 |
| ETIM 8.0 | EC001031 |
| ETIM 7.0 | EC001031 |
| PU (SPU) | 10 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821561408 |
| Customs tariff number | 85369010000 |

Subject to changes. Please also observe the further product documentation!

**Environmental Product Compliance**

| | |
|---|--|
| CAS-No. | 131651-65-5 144317-44-2 220133-51-7 220689-12-3 25628-08-4 29420-49-3 375-73-5 503155-89-3 507453-86-3 68259-10-9 |
| REACH Candidate List Substance | Perfluorobutane sulfonic acid (PFBS) and its salts |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 6(c) 7(a) 7(c)-I 7(c)-II |
| SCIP notification number (Austria) | e1be5dae-46d9-4e93-bffa-40c1c490c325 |
| SCIP notification number (Belgium) | f09ce94f-02c5-4968-b8ec-a01645fe7085 |
| SCIP notification number (Bulgaria) | 3c9c4225-faba-4e9c-a796-4d07c8b65247 |
| SCIP notification number (Czech Republic) | 6f98091b-90d7-4dfd-af77-0e17c97d9d9b |
| SCIP notification number (Denmark) | 7a8f464d-fe0b-4a7a-9797-bd6b3bae2983 |
| SCIP notification number (Finland) | 87221bfd-4b97-4639-8622-bf918110a86f |
| SCIP notification number (France) | 6a7dee2b-5bb4-4dac-83ac-ef24d9473318 |
| SCIP notification number (Germany) | 7a7b76f3-1c4e-479a-ac58-b35536c028ce |
| SCIP notification number (Hungary) | 2bd65953-1698-49e8-8017-39084f087f82 |
| SCIP notification number (Italy) | 3579be6e-e3ce-4ee8-bf42-98f8f2733f85 |
| SCIP notification number (Netherlands) | 0b27f6e0-3cfc-4b07-a7a9-2c1224162f9e |
| SCIP notification number (Poland) | a6054ed7-14d8-4e46-8340-5a59e7a481b2 |
| SCIP notification number (Romania) | 13fcc686-4988-4925-a287-6a5745e9bc50 |
| SCIP notification number (Sweden) | 844c31aa-0d51-4e00-a1b5-3a61f21b1d8e |

Approvals / Certificates**General approvals**

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | UL UL International Germany GmbH | UL 1059 | E45172 |

Subject to changes. Please also observe the further product documentation!



Optional accessories

System housing

Stripboard

Item no.: 2857-192/3140-000
Stripboards; 3-2 connection levels

www.wago.com/2857-192/3140-000

Marking accessories

Marking strip

Item no.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110

Marking device

Item no.: 210-110
Fiber-tip pen

www.wago.com/210-110

Marker

Item no.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-115

Item no.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/793-501

Item no.: 793-502
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/793-502

Item no.: 793-503
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/793-503

Item no.: 793-504
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/793-504

Item no.: 793-505
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/793-505

Item no.: 793-506
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/793-506

Item no.: 793-566
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/793-566

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

www.wago.com/793-5501

Item no.: 2009-141
Micro-WSB-Inline; 2000 pieces on roll; plain; snap-on type; white

www.wago.com/2009-141

Ferrule

Ferrule

Subject to changes. Please also observe the further product documentation!



| | |
|--|--|
| Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-101 |
| Item no.: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-104 |
| Item no.: 216-106 Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-106 |
| Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-102 |
| Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
| Item no.: 216-123 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-123 |
| Item no.: 216-122 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-122 |
| Item no.: 216-124 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated | www.wago.com/216-124 |
| Item no.: 216-142 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-142 |
| Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
| Item no.: 216-121 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-121 |
| Item no.: 216-143 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-143 |
| Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-131 |
| Item no.: 216-141 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-141 |
| Item no.: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-152 |
| Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
| Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
| Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |

Subject to changes. Please also observe the further product documentation!



| | |
|---|--|
| Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
| Item no.: 216-144 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | www.wago.com/216-144 |
| Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
| Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
| Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
| Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
| Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |
| Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |
| Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
| Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
| Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-244 |
| Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-263 |
| Item no.: 216-264 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-264 |
| Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-262 |
| Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
| Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
| Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-322 |

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

**Item no.: 216-302**Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoisewww.wago.com/216-302**Tool**

Coding

Item no.: 2092-1610

Coding key carrier; orange

www.wago.com/2092-1610

Operating tool

Item no.: 210-657

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

www.wago.com/210-657**Item no.: 210-720**

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

www.wago.com/210-720**Jumpers**

Jumper

Item no.: 281-482

Jumper; 2-way; insulated; gray

www.wago.com/281-482**Item no.: 859-402/000-029**

Jumper; for jumper slot; 2-way; insulated; yellow

www.wago.com/859-402/000-029**Item no.: 859-402/000-006**

Jumper; for jumper slot; 2-way; insulated; blue

www.wago.com/859-402/000-006**Item no.: 859-402**

Jumper; for jumper slot; 2-way; insulated; light gray

www.wago.com/859-402**Item no.: 859-402/000-005**

Jumper; for jumper slot; 2-way; insulated; red

www.wago.com/859-402/000-005**Downloads****Documentation****Bid Text**

| | | | |
|--------------------------|--------------|-----------------|----------|
| 2857-102 docx - Datei | 2019 年2月20 日 | docx 16.2 kB | Download |
| 2857-102 X81 - Datei | 2019 年2月20 日 | xml 5.2 kB | Download |

Additional Information

| | | | |
|------------------------|---------|-----|----------|
| Disposal and Recycling | V 1.1.0 | pdf | Download |
|------------------------|---------|-----|----------|

Subject to changes. Please also observe the further product documentation!

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CAD/CAE-Data

CAD data

| | | |
|-----------------------|-----|----------|
| 2D/3D Models 2857-102 | URL | Download |
|-----------------------|-----|----------|

CAE data

| | | |
|-------------------------|-----|----------|
| WSCAD Universe 2857-102 | URL | Download |
|-------------------------|-----|----------|

| | | |
|-----------------------|-----|----------|
| ZUKEN Portal 2857-102 | URL | Download |
|-----------------------|-----|----------|

| | | |
|----------------------------|-----|----------|
| EPLAN Data Portal 2857-102 | URL | Download |
|----------------------------|-----|----------|

Environmental Product Compliance

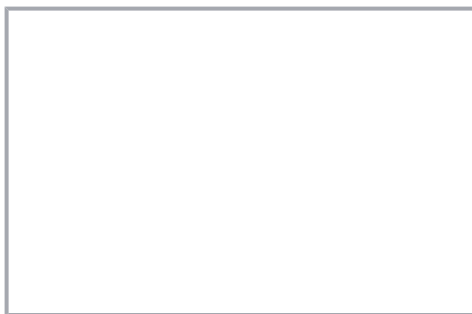
Compliance Search

| | | |
|---|-----|----------|
| Environmental Product Compliance 2857-102 | URL | Download |
|---|-----|----------|

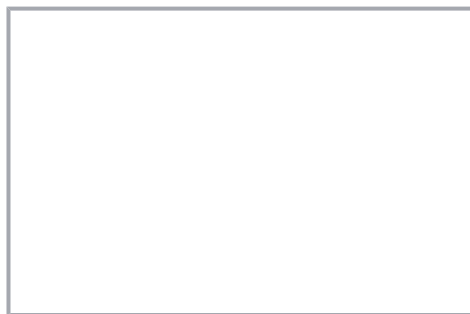
Empty housing

Installation Notes

Installation



1. Pre-assembled unit



2. Insert and solder the PCB

Subject to changes. Please also observe the further product documentation!

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3. Snap on the side wall

Subject to changes. Please also observe the further product documentation!