

Data sheet | Item number: 869-111

2-conductor terminal strip; without push-buttons; with fixing flanges M3; 11-pole; for screw or similar mounting types; Fixing hole 3.2 mm Ø; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/869-111



 Picture differs from the item.

Color:

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

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Data Notes

Safety information

Max. insulation diameter: 4.4 mm

Electrical data

Ratings per IEC/EN

| | |
|-------------------------------|---|
| Nominal voltage (III/3) | 500 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 24 A |
| Legend (ratings) | (III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3 |

Connection data

| | |
|----------------------------|----|
| Connection points | 22 |
| Total number of potentials | 11 |
| Number of levels | 1 |

Connection 1

| | |
|---|--|
| Connection technology | CAGE CLAMP [®] |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 4 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.08 ... 1.5 mm ² / 28 ... 14 AWG |
| Strip length | 6 ... 7 mm / 0.24 ... 0.28 inches |
| Pole number | 11 |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|-------------------------|------------------------|
| Width | 69.5 mm / 2.736 inches |
| Height from the surface | 27.6 mm / 1.087 inches |
| Depth | 33.4 mm / 1.315 inches |
| Module width | 5 mm / 0.197 inches |

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Mechanical Data

| | |
|---------------|--------------------|
| Design | horizontal type |
| Mounting type | Mounting flange M3 |
| Marking level | Side marking |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.994 MJ |
| Halogen-free | Yes |
| Weight | 46.6 g |

Commercial data

| | |
|-----------------------|---------------|
| eCl@ss 10.0 | 27-14-11-06 |
| eCl@ss 9.0 | 27-14-11-06 |
| ETIM 8.0 | EC001284 |
| ETIM 7.0 | EC001284 |
| PU (SPU) | 25 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918480741 |
| Customs tariff number | 85369010000 |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | EN 60947 | 2143311.02 |

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



| | | |
|--|----------|-------------------|
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL 6827/A1 |
| UL UL International Germany GmbH | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|--------------------------|
| | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

Optional accessories

Marking accessories

| Marking strip | | |
|-----------------------------------|--|--|
| Item no.: 709-196 | Marking strips; for laser printer; translucent | www.wago.com/709-196 |
| Item no.: 709-178 | Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white | www.wago.com/709-178 |
| Item no.: 709-177 | Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent | www.wago.com/709-177 |
| Marker | | |
| Item no.: 2009-115/000-002 | WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | www.wago.com/2009-115/000-002 |
| Item no.: 2009-115/000-007 | WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray | www.wago.com/2009-115/000-007 |
| Item no.: 2009-115/000-017 | WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green | www.wago.com/2009-115/000-017 |

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| | |
|---|--|
| Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-115/000-023 |
| Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-115/000-024 |
| Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | www.wago.com/2009-145/000-006 |
| Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-145 |
| Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | www.wago.com/2009-145/000-002 |
| Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray | www.wago.com/2009-145/000-007 |
| Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red | www.wago.com/2009-145/000-005 |
| Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/2009-145/000-012 |
| Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-145/000-023 |
| Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-145/000-024 |
| 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.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue | www.wago.com/248-501/000-006 |
| Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/248-501/000-007 |
| Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/248-501/000-002 |

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



| | |
|--|--|
| Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange | www.wago.com/248-501/000-012 |
| Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/248-501 |
| Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green | www.wago.com/248-501/000-017 |
| Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/248-501/000-005 |
| Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet | www.wago.com/248-501/000-024 |
| Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green | www.wago.com/248-501/000-023 |
| Item no.: 793-5501/000-007 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray | www.wago.com/793-5501/000-007 |
| Item no.: 793-5501/000-012 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/793-5501/000-012 |
| Item no.: 793-5501/000-017 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green | www.wago.com/793-5501/000-017 |
| Item no.: 793-5501/000-023 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/793-5501/000-023 |
| Item no.: 793-5501/000-024 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/793-5501/000-024 |
| Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/793-501/000-002 |
| Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/793-501/000-007 |

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

**Item no.: 793-501/000-017**

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

www.wago.com/793-501/000-017**Item no.: 793-501/000-012**

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

www.wago.com/793-501/000-012**Item no.: 793-501/000-023**

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

www.wago.com/793-501/000-023**Item no.: 793-501/000-006**

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

www.wago.com/793-501/000-006**Item no.: 793-501/000-005**

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

www.wago.com/793-501/000-005**Item no.: 793-501**

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

www.wago.com/793-501**Item no.: 793-501/000-024**

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

www.wago.com/793-501/000-024**Item no.: 793-5501/000-005**

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

www.wago.com/793-5501/000-005**Item no.: 793-5501/000-002**

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

www.wago.com/793-5501/000-002**Item no.: 793-5501/000-006**

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

www.wago.com/793-5501/000-006**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.: 2009-115/000-012**

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

www.wago.com/2009-115/000-012**Item no.: 2009-115/000-006**

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

www.wago.com/2009-115/000-006

Group marker carrier

Item no.: 870-183www.wago.com/870-183

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Adaptor; gray

Item no.: 870-182

Adaptor; gray

www.wago.com/870-182**Item no.: 870-184**

Adaptor; gray

www.wago.com/870-184**Tool**

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.: 210-658**

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

www.wago.com/210-658**Item no.: 210-720**

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

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

Ferrule

Item no.: 216-123Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-123**Item no.: 216-122**Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-122**Item no.: 216-124**Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin platedwww.wago.com/216-124**Item no.: 216-132**Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin platedwww.wago.com/216-132**Item no.: 216-121**Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-121**Item no.: 216-131**Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-131**Item no.: 216-223**Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; redwww.wago.com/216-223**Item no.: 216-222**Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; graywww.wago.com/216-222**Item no.: 216-221**Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; whitewww.wago.com/216-221**Item no.: 216-224**Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; blackwww.wago.com/216-224**Item no.: 216-321**Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellowwww.wago.com/216-321

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Item no.: 216-322

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoisewww.wago.com/216-322

Jumpers

 Jumper

Item no.: 870-402

Jumper; 2-way; insulated; light gray

www.wago.com/870-402

Item no.: 870-404

Jumper; 4-way; insulated; light gray

www.wago.com/870-404

Item no.: 870-405

Jumper; 5-way; insulated; light gray

www.wago.com/870-405

Item no.: 870-407

Jumper; 7-way; insulated; light gray

www.wago.com/870-407

Item no.: 870-408

Jumper; 8-way; insulated; light gray

www.wago.com/870-408

Item no.: 870-403

Jumper; 3-way; insulated; light gray

www.wago.com/870-403

Item no.: 870-409

Jumper; 9-way; insulated; light gray

www.wago.com/870-409

Item no.: 870-406

Jumper; 6-way; insulated; light gray

www.wago.com/870-406

Item no.: 870-433

Jumper; from 1 to 3; insulated; light gray

www.wago.com/870-433

Item no.: 870-435

Jumper; from 1 to 5; insulated; light gray

www.wago.com/870-435

Item no.: 870-410

Jumper; 10-way; insulated; light gray

www.wago.com/870-410

Item no.: 870-434

Jumper; from 1 to 4; insulated; light gray

www.wago.com/870-434

Item no.: 870-440

Jumper; from 1 to 10; insulated; light gray

www.wago.com/870-440

Item no.: 870-406/020-000

Delta jumper; insulated; light gray

www.wago.com/870-406/020-000

Protective warning marker

 Cover

Item no.: 280-405

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

www.wago.com/280-405

Testing and measuring

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

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Testing accessories

| | |
|--|--|
| Item no.: 870-425 Tap-off module; with anti-rotation protection; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray | www.wago.com/870-425 |
| Item no.: 870-426 Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray | www.wago.com/870-426 |
| Item no.: 870-427 Spacer module; modular; bridging commoned terminal blocks; gray | www.wago.com/870-427 |

Insulation stop

| | |
|--|--|
| Insulation stop | |
| Item no.: 280-472 Insulation stop; 0.75 - 1 mm ² ; 5 pieces/strip; black | www.wago.com/280-472 |
| Item no.: 280-470 Insulation stop; 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st"); 5 pieces/strip; white | www.wago.com/280-470 |
| Item no.: 280-471 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray | www.wago.com/280-471 |

Downloads

Documentation

Bid Text

| | | | |
|------------------------|--------------|----------------|----------|
| 869-111 X81 - Datei | 2019 年2月19 日 | xml 3.3 kB | Download |
| 869-111 doc - Datei | 2017 年6月13 日 | doc 25.1 kB | Download |

Additional Information

| | | | |
|--|--|---------------|----------|
| | | pdf 2.3 MB | Download |
|--|--|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 869-111 | URL | Download |
|----------------------|-----|----------|

CAE data

| | | |
|----------------------|-----|----------|
| ZUKEN Portal 869-111 | URL | Download |
|----------------------|-----|----------|

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 869-111

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2-conductor terminal strip; without push-buttons; with fixing flanges M3; 11-pole; for screw or similar mounting types; Fixing hole 3.2 mm Ø; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

Installation Notes

Commoning



Push jumper bars down firmly until fully inserted. When using multipole bars, push alternately on the right and then left side until installed.

Push-in type jumper bars 1 – 3 – 5 – 7 or
1 – – 4 – – 7

upon request

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

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Mounting and securing a terminal strip directly to the plate via screw-type flanges.

Terminal strip with mounting flanges:

- End plate with mounting flange
- Center terminal blocks
- End terminal block with mounting flange

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



Terminal strips with M3 or M4 mounting flanges, for screw or similar mounting types,

mounting holes:

3.2 mm Ø, M3 flange

4.2 mm Ø, M4 flange

Cover



Protective warning markers (280-405), with a black high-voltage symbol

Marking

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



WMB markers in Mini-WSB marker slots

Translucent marking strip

Mini-WSB markers

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