

Data sheet | Item number: 869-133

2-conductor terminal strip; without push-buttons; with fixing flanges M3; 3-pole; for screw or similar mounting types; Fixing hole 3.2 mm Ø; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; light gray

www.wago.com/869-133



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

WAGO GmbH & Co. KG
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Phone: +49571 887-0 | Fax: +49571 887-169
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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.



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 | 6 |
| Total number of potentials | 3 |
| 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 | 3 |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|-------------------------|------------------------|
| Width | 29.5 mm / 1.161 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 | light gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.27 MJ |
| Halogen-free | Yes |
| Weight | 14.1 g |

Commercial data

| | |
|-----------------------|--|
| Product Group | 16 (Rail Mounted Terminal Blocks with CCC) |
| 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) | 100 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918480864 |
| 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 | EN 60947 | 2143311.02 |

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



DEKRA Certification B.V.

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**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 |

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 |

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| | |
|---|--|
| 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 |

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 |

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



| | |
|---|--|
| 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 |
| 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 |

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



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

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.: 870-183

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



| | |
|---|--|
| Adaptor; gray | www.wago.com/870-183 |
| Item no.: 870-182 Adaptor; gray | www.wago.com/870-182 |
| Item no.: 870-184 Adaptor; gray | www.wago.com/870-184 |
| 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 |
| 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.: 216-123 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.: 216-132 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.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-131 |
| Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
| Item no.: 216-222 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 |

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

**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**Item no.: 216-322**Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoisewww.wago.com/216-322**Testing and measuring**

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**Downloads****Documentation****Bid Text**

| | | | |
|------------------------|--------------|----------------|----------|
| 869-133 X81 - Datei | 2019 年2月19 日 | xml 3.3 kB | Download |
| 869-133 doc - Datei | 2017 年6月14 日 | doc 24.6 kB | Download |

Additional Information

pdf
2.3 MB

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CAD/CAE-Data**CAE data**

| | | |
|------------------------|-----|----------|
| ZUKEN Portal 869-133 | URL | Download |
| WSCAD Universe 869-133 | URL | Download |

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 869-133 | URL | Download |
|----------------------|-----|----------|

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

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 869-133

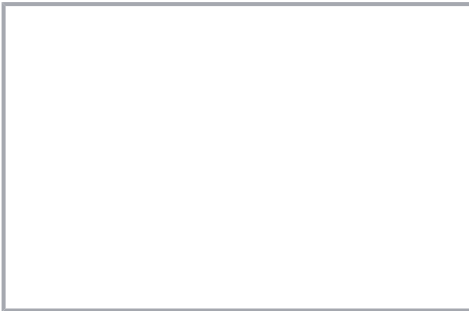
URL

Download

2-conductor terminal strip; without push-buttons; with fixing flanges M3; 3-pole; for screw or similar mounting types; Fixing hole 3.2 mm Ø; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; light 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!



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!