# CAGE CLAMP®

**The universal connection for solid, stranded and fine-stranded conductors**

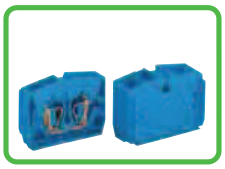
Handling:
Open clamping unit,
insert the conductor,
release clamp – done!



9




Modular Terminal Blocks and Terminal Strips
with Fixing Flanges or Snap-In Mounting Feet
Front-Entry Wiring
2.5 mm² (4 mm² "f-st") / AWG 12 — 869 Series — 431 – 433



2.5 mm² / AWG 12 — 264 Series — 436 – 439



Side-Entry Wiring
0.08 mm² to 1.5 mm² (AWG 28 - 16) /
2.5 mm²/4 mm² (AWG 14/12) — 260/261/262 Series — 442 – 455



With Push-Buttons on One or Both Sides
1.5 mm² / AWG 16 — 261 Series — 446 – 449



With Additional, Miniature WSB, Side Marker Slot
With Push-Buttons on One or Both Sides
1.5 mm² / AWG 16 — 261 Series — 450 – 451

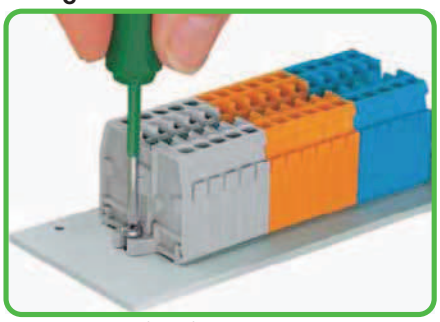


Test Plug Modules for 260/261/262 Series Terminal
Strips — 456

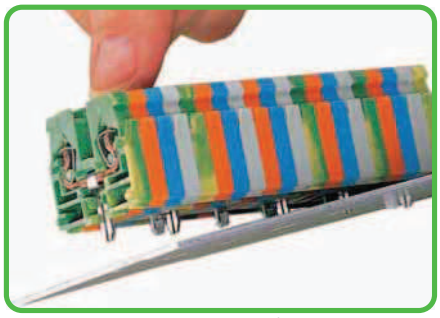
# Compact Terminal Strips, 869 Series
# – Description and Handling –



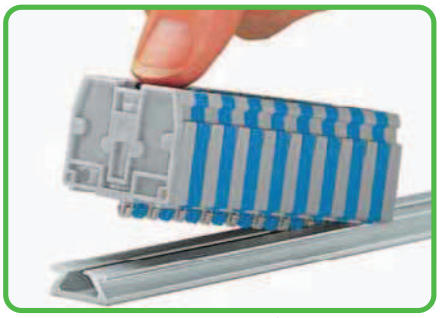
## Fixing



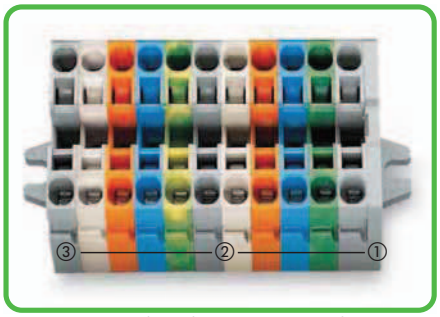
Terminal strip with fixing flanges, screw mount.



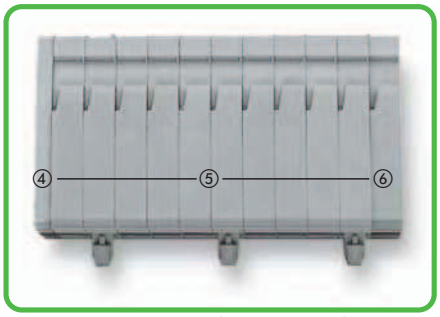
Terminal strip with snap-in mounting feet, mounting in holes.



Terminal strip with snap-in mounting feet, mounting onto special aluminum rail.



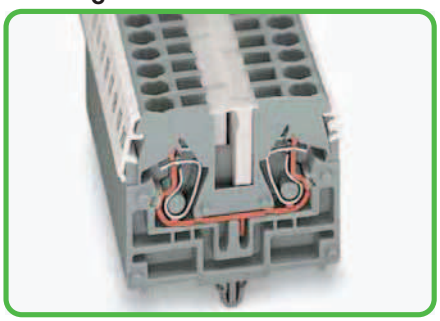

Terminal strip with fixing flanges, consisting of:
End plate with fixing flange ①
Center terminal blocks ②
End terminal block with fixing flange ③




Terminal strip with mounting feet, consisting of:
End plate ④ / Center terminal blocks with/without snap-in mounting feet ⑤ / End terminal block with/without snap-in mounting foot ⑥



## Marking



WAGO WMB Multi marking system or WAGO miniature WSB Quick marking system.

## Push-in type jumper bar system



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

**CAGE CLAMP® clamps the following copper conductors:***

| solid | stranded | fine-stranded, also with tinned single strands | fine-stranded, tip-bonded | fine-stranded, with ferrule ❶ (gastight crimped) | fine-stranded, with pin terminal (gastight crimped) |
|---|---|---|---|---|---|

* For aluminum conductors, see notes in Section 14.

❶ When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

# Compact Terminal Strips 2.5 mm² (4 mm² "f-st") with Fixing Flanges or Snap-in Mounting Feet 869 Series

| | | |
|---|---|---|
| 0.08 - 2.5 (4 "f-st") mm²<br>500 V/6 kV/3<br>$I_N$ 24 A<br>Pole width 5 mm / 0.197 in<br>6 - 7 mm / 0.26 in | AWG 28 - 12<br>300V, 20A | 0.08 - 2.5 (4 "f-st") mm²<br>500 V/6 kV/3<br>$I_N$ 24 A<br>Pole width 5 mm / 0.197 in<br>6 - 7 mm / 0.26 in | AWG 28 - 12<br>300V, 20A | 0.08 - 2.5 (4 "f-st") mm²<br>500 V/6 kV/3<br>$I_N$ 24 A<br>Pole width 5 mm / 0.197 in<br>6 - 7 mm / 0.26 in | AWG 28 - 12<br>300V, 20A |





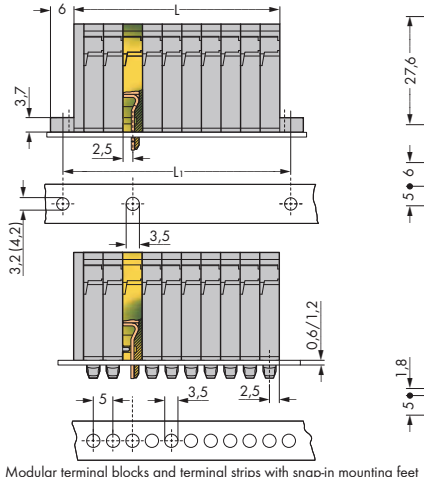


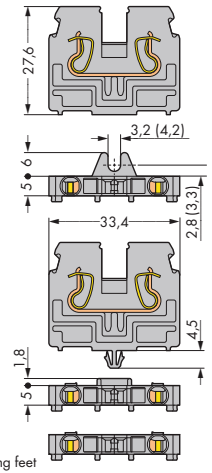
| Pole No. | Item No. | Pack. Unit |
|---|---|---|
| **Compact terminal strip with fixing flanges M 3,** for screw or similar mounting types, fixing hole 3.2 mm Ø, | | |
| gray | | |
| 2 | **869-102** | 100 |
| 3 | **869-103** | 100 |
| 4 | **869-104** | 100 |
| 5 | **869-105** | 100 |
| 6 | **869-106** | 50 |
| 7 | **869-107** | 50 |
| 8 | **869-108** | 50 |
| 9 | **869-109** | 50 |
| 10 | **869-110** | 50 |
| 11 | **869-111** | 25 |
| 12 ❶ | **869-112** | 25 |
| light gray | | |
| 2 | **869-132** | 100 |
| 3 | **869-133** | 100 |
| 4 | **869-134** | 100 |
| 5 | **869-135** | 100 |
| 6 | **869-136** | 50 |
| 7 | **869-137** | 50 |
| 8 | **869-138** | 50 |
| 9 | **869-139** | 50 |
| 10 | **869-140** | 25 |
| 11 | **869-141** | 25 |
| 12 ❶ | **869-142** | 25 |

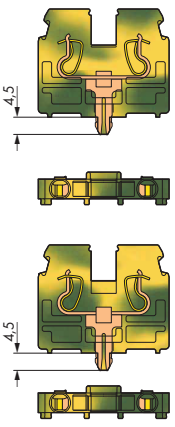
| Pole No. | Item No. | Pack. Unit |
|---|---|---|
| **Compact terminal strip with fixing flanges M 4,** for screw or similar mounting types, fixing hole 4.2 mm Ø, | | |
| gray | | |
| 2 | **869-202** | 100 |
| 3 | **869-203** | 100 |
| 4 | **869-204** | 100 |
| 5 | **869-205** | 100 |
| 6 | **869-206** | 50 |
| 7 | **869-207** | 50 |
| 8 | **869-208** | 50 |
| 9 | **869-209** | 50 |
| 10 | **869-210** | 25 |
| 11 | **869-211** | 25 |
| 12 ❶ | **869-212** | 25 |
| light gray | | |
| 2 | **869-232** | 100 |
| 3 | **869-233** | 100 |
| 4 | **869-234** | 100 |
| 5 | **869-235** | 100 |
| 6 | **869-236** | 50 |
| 7 | **869-237** | 50 |
| 8 | **869-238** | 50 |
| 9 | **869-239** | 50 |
| 10 | **869-240** | 25 |
| 11 | **869-241** | 25 |
| 12 ❶ | **869-242** | 25 |

| Pole No. | Item No. | Pack. Unit |
|---|---|---|
| **Compact terminal strip with snap-in mounting feet,** for plate thickness 0.6-1.2 mm, fixing hole 3.5+0.1 mm Ø, | | |
| gray | | |
| 2 | **869-152** | 100 |
| 3 | **869-153** | 100 |
| 4 | **869-154** | 100 |
| 5 | **869-155** | 100 |
| 6 | **869-156** | 50 |
| 7 | **869-157** | 50 |
| 8 | **869-158** | 50 |
| 9 | **869-159** | 50 |
| 10 | **869-160** | 25 |
| 11 | **869-161** | 25 |
| 12 ❶ | **869-162** | 25 |
| light gray | | |
| 2 | **869-182** | 100 |
| 3 | **869-183** | 100 |
| 4 | **869-184** | 100 |
| 5 | **869-185** | 100 |
| 6 | **869-186** | 50 |
| 7 | **869-187** | 50 |
| 8 | **869-188** | 50 |
| 9 | **869-189** | 50 |
| 10 | **869-190** | 25 |
| 11 | **869-191** | 25 |
| 12 ❶ | **869-192** | 25 |

Modular terminal blocks and terminal strips with fixing flanges
L = (No. of poles x pole width) + 2.5 mm  $L_1$ = L + 5.6 mm, with flange M4 6.6 mm




Modular terminal blocks and terminal strips with snap-in mounting feet
L = (No. of poles x pole width) + 2.5 mm

Dimensions in mm

❶ For longer strips and /or assemblies of different colors, please contact factory

**Item no. suffixes for terminal strips:**

869-102 to 869-112
869-202 to 869-212
869-152 to 869-162

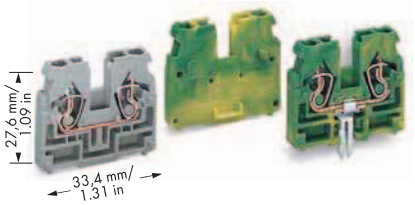
blue . . ./000-006 ❷
green-yellow . . ./000-016

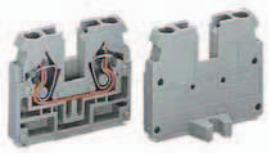
❷ Terminal blocks with blue insulation are suitable for Ex i applications

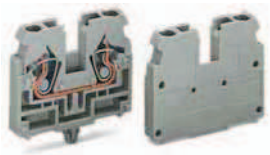
For list of approvals and user guide, see pages 634 to 637.

# Modular Terminal Blocks 2.5 mm² (4 mm² "f-st") with Fixing Flanges or Snap-in Mounting Feet 869 Series

| | | |
|---|---|---|
| 0.08 - 2.5 (4"f-st")mm² ❶ / AWG 28 - 12<br>500 V/6 kV/3 ❷ / 300 V, 20 A<br>$I_N$ 24 A<br>Terminal block width 5 mm / 0.197 in<br>6 - 7 mm / 0.26 in ❸ | 0.08 - 2.5 (4"f-st")mm² ❶ / AWG 28 - 12<br>500 V/6 kV/3 ❷ / 300 V, 20 A<br>$I_N$ 24 A<br>Terminal block width 5 mm / 0.197 in<br>6 - 7 mm / 0.26 in ❸ | 0.08 - 2.5 (4"f-st")mm² ❶ / AWG 28 - 12<br>500 V/6 kV/3 ❷ / 300 V, 20 A<br>$I_N$ 24 A<br>Terminal block width 5 mm / 0.197 in<br>6 - 7 mm / 0.26 in ❸ |





| Color | Item No. | Pack. Unit |
|---|---|---|
| **Center terminal block without snap-in mounting foot,** required for terminal strips with fixing flanges between end plate and end terminal block | | |
| gray | **869-321** | 100 |
| blue | **869-324** ❹ | 100 |
| orange | **869-326** | 100 |
| green-yellow | **869-327** | 100 |
| light gray | **869-329** | 100 |
| **Center terminal block with direct ground contact,** diameter of hole 3.5 + 0.1 mm, **Notice: Terminal block cannot be commoned.** | | |
| green-yellow | **869-328** | 100 |

| Color | Item No. | Pack. Unit |
|---|---|---|
| **End terminal block with fixing flange M 3,** for screw or similar mounting types, fixing hole 3.2 mm Ø | | |
| gray | **869-301** | 100 |
| blue | **869-304** ❹ | 100 |
| green-yellow | **869-307** | 100 |
| light gray | **869-309** | 100 |
| **End terminal block with fixing flange M 4,** for screw or similar mounting types, fixing hole 4.2 mm Ø | | |
| gray | **869-351** | 100 |
| blue | **869-354** ❹ | 100 |
| green-yellow | **869-357** | 100 |
| light gray | **869-359** | 100 |

| Color | Item No. | Pack. Unit |
|---|---|---|
| **End terminal block with snap-in mounting foot,** for plate thickness 0.6 - 1.2 mm, fixing hole Ø: 3.5 + 0.1 mm | | |
| gray | **869-331** | 100 |
| blue | **869-334** ❹ | 100 |
| green-yellow | **869-337** | 100 |
| light gray | **869-339** | 100 |
| **End terminal block without snap-in mounting foot,** for plate thickness 0.6-1.2 mm | | |
| gray | **869-341** | 100 |
| blue | **869-344** ❹ | 100 |
| green-yellow | **869-347** | 100 |
| light gray | **869-349** | 100 |

## Item-Specific Accessories

**Aluminum carrier rail,**



1000 mm long, 18 mm wide, 7 mm high — **210-154** — 1

**End stop,** for WSB Quick markers, for 210-154 aluminum rail, 6 mm wide



**209-122** — 25

## 869 Series Accessories

Appropriate marking systems: WMB/Miniature WSB (see Section 13)

**End plate with fixing flange M 3,**



2.5 mm thick

| | | |
|---|---|---|
| gray | **869-385** | 100 (4x25) |
| blue | **869-388** | 100 (4x25) |
| green-yellow | **869-389** | 100 (4x25) |
| light gray | **869-387** | 100 (4x25) |

**End plate with fixing flange M 4,**



2.5 mm thick

| | | |
|---|---|---|
| gray | **869-395** | 100 (4x25) |
| blue | **869-398** | 100 (4x25) |
| green-yellow | **869-399** | 100 (4x25) |
| light gray | **869-397** | 100 (4x25) |

**End plate,** for terminal blocks with snap-in mounting foot,



2.5 mm thick

| | | |
|---|---|---|
| gray | **869-375** | 100 (4x25) |
| blue | **869-378** | 100 (4x25) |
| green-yellow | **869-379** | 100 (4x25) |
| light gray | **869-377** | 100 (4x25) |

**Insulation stop,** ❺



5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st")

| | | |
|---|---|---|
| white | **280-470** | 200 (8x25) |

**Insulation stop,** ❺



5 pcs/strip, 0.25 - 0.5 mm²

| | | |
|---|---|---|
| light gray | **280-471** | 200 (8x25) |

**Insulation stop,** ❺



5 pcs/strip, 0.75 - 1 mm²

| | | |
|---|---|---|
| dark gray | **280-472** | 200 (8x25) |

**Push-in type jumper bar,** insulated,



$I_N$ 18 A, light gray

| | | |
|---|---|---|
| 2-way | **870-402** | 200 (8x25) |
| 3-way | **870-403** | 200 (8x25) |
| 4-way | **870-404** | 200 (8x25) |
| 5-way | **870-405** | 100 (4x25) |
| 6-way | **870-406** | 100 (4x25) |
| 7-way | **870-407** | 100 (4x25) |
| 8-way | **870-408** | 100 (4x25) |
| 9-way | **870-409** | 100 (4x25) |
| 10-way | **870-410** | 100 (4x25) |

**Push-in type jumper bar,** insulated,



$I_N$ 18 A, light gray

| | | |
|---|---|---|
| from 1 to 3 | **870-433** | 200 (8x25) |
| from 1 to 4 | **870-434** | 200 (8x25) |
| from 1 to 5 | **870-435** | 100 (4x25) |
| from 1 to 6 | **870-436** | 100 (4x25) |
| from 1 to 7 | **870-437** | 100 (4x25) |
| from 1 to 8 | **870-438** | 100 (4x25) |
| from 1 to 9 | **870-439** | 100 (4x25) |
| from 1 to 10 | **870-440** | 100 (4x25) |

For list of approvals and user guide, see pages 634 to 637.