

**Data sheet | Item number: 231-111/102-000/035-000**

1-conductor female connector; CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm;  
11-pole; with integrated end plate; Strain relief plate; coded; 2,50 mm<sup>2</sup>; gray

[www.wago.com/231-111\\_102-000\\_035-000](http://www.wago.com/231-111_102-000_035-000)



Picture differs from the item.



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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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



Dimensions in mm

L = pole no. x pin spacing

2- to 3-pole female connectors – one latch only

### Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Integrated test ports
- With coding fingers

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## Data

### Connection data

#### Connection 1


Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup>
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Number of poles	11
Conductor entry direction to mating direction	0°

## Notes


Safety information 1	The <i>MCS – MULTI CONNECTION SYSTEM</i> includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected /disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.
Variants:	Gold-plated or partially gold-plated contact surfaces Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a>

## Approvals / Certificates

### Country specific Approvals


Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	1466354

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1869876- PDA

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

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UR</b> Underwriters Laboratories Inc.	UL 1977	E45171

Counterpart



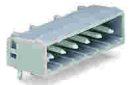
Item no.231-611  
Male connector; 11-pole; Pin spacing 5 mm; gray

[www.wago.com/231-611](http://www.wago.com/231-611)



Item no.231-141/001-000  
Male header; 11-pole; THT; 1.0 x 1.0 mm solder pin; straight; pin spacing 5 mm; gray

[www.wago.com/231-141/001-000](http://www.wago.com/231-141/001-000)



Item no.231-441/001-000  
Male header; 11-pole; THT; 1.0 x 1.0 mm solder pin; angled; pin spacing 5 mm; gray

[www.wago.com/231-441/001-000](http://www.wago.com/231-441/001-000)

Downloads

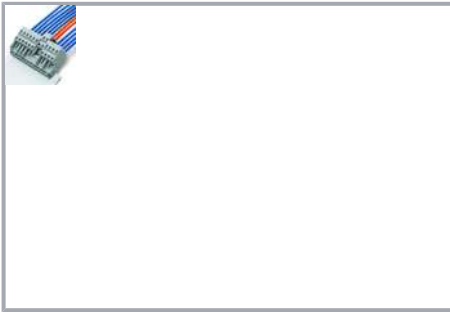
Documentation

Additional Information

Technical explanations	2019 Apr 3	pdf 2.0 MB	Download
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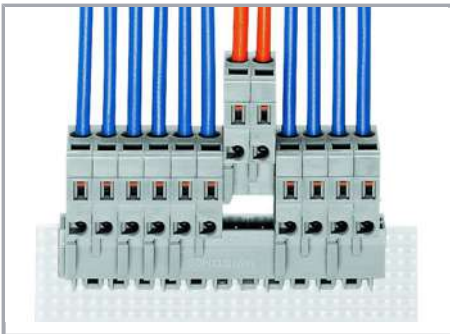
Installation Notes

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

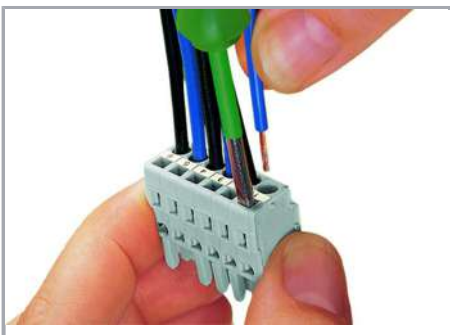


Total pole number for female connectors  
= pole number for male header

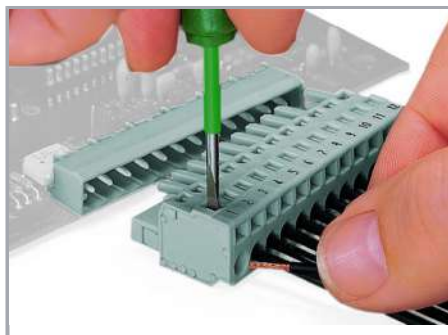
### Application



Female connectors with a built-in end plate require no extra space, while maintaining the nominal cross-section. This means: Total length of female connectors is reduced to "pole no. x pin spacing"!



Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.



Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Inserting a conductor into CAGE CLAMP® unit via operating lever (231-291).

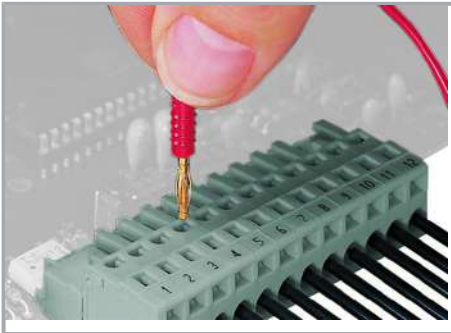
Subject to changes. Please also observe the further product documentation!



Inserting a conductor via operating tool.



Coding a female connector by removing coding finger(s).



Testing – female connector with CAGE CLAMP®

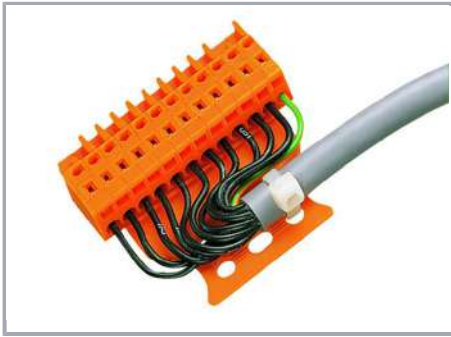
Integrated test ports for testing perpendicular to conductor entry via 2 or 2.3 mm Ø test plug

#### Installation

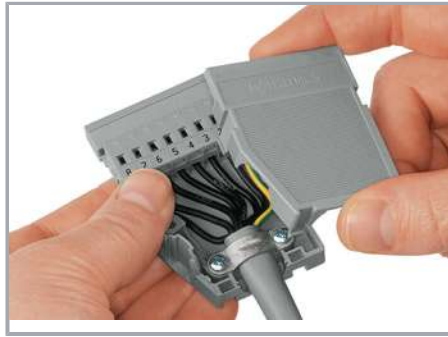
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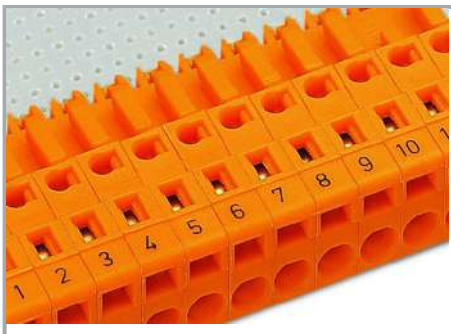
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Male connector with strain relief plate



Strain relief housing shown with a male connector equipped with CAGE CLAMP®



Labeling via direct marking or self-adhesive strips.

## Product family

**MCS MIDI Classic**

[Show all products from the family](#)

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