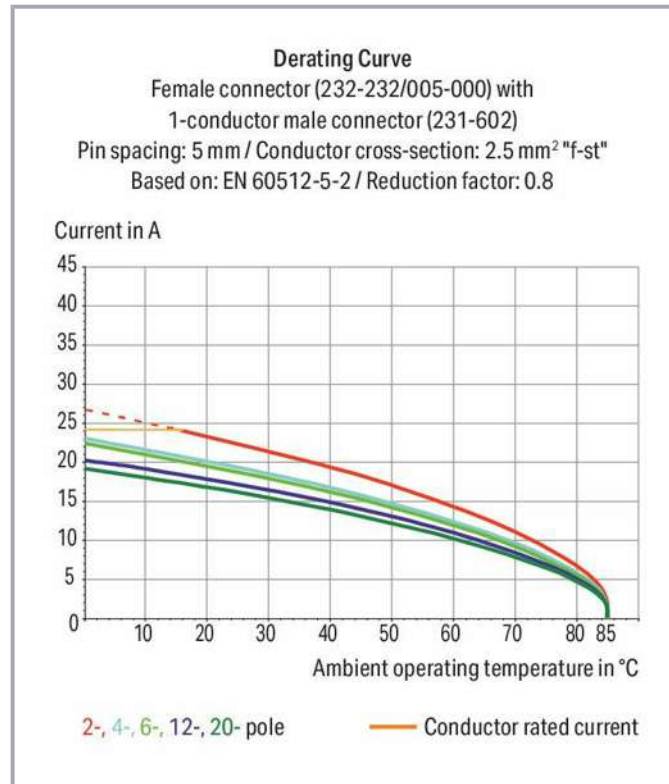
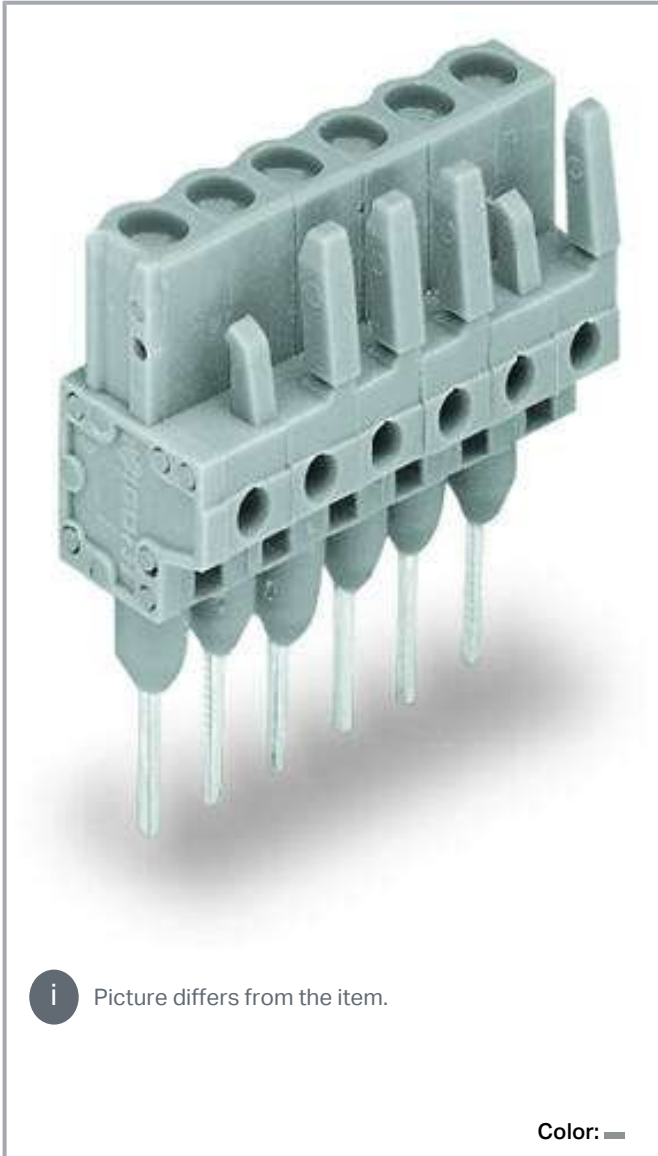


Data sheet | Item number: 232-146/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight;
Pin spacing 5 mm; 16-pole; gray

www.wago.com/232-146_005-000



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

WAGO Corporation
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Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$

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

Item description

- Pluggable connectors for rail-mount terminal blocks equipped with CAGE CLAMP® connection
- Female connectors with long contact pins connect to the termination ports of 280 Series Rail-Mount Terminal Blocks
- Female connectors are touch-proof when unmated, providing a pluggable, live output
- With coding fingers

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Data

Notes

Safety information 1

The *MCS – MULTI CONNECTION SYSTEM* 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:

Other pole numbers
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>

Electrical data

IEC Approvals

| Ratings per | IEC/EN 60664-1 |
|-----------------------------|-------------------------------------------------------------------|
| Rated voltage (III / 3) | 320 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated voltage (III/2) | 320 V |
| Rated surge voltage (III/2) | 4 kV |
| Nominal voltage (II/2) | 630 V |
| Rated surge voltage (II/2) | 4 kV |
| Rated current | 12 A |
| Legend (ratings) | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

UL Approvals

| Approvals per | UL 1059 |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 15 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

Ratings per UL

| | |
|-----------------------|-------|
| Rated voltage UL 1977 | 600 V |
| Rated current UL 1977 | 15 A |

CSA Approvals

| Approvals per | CSA |
|---------------|-----|
|---------------|-----|

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

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

| | |
|----------------------------|----|
| Total number of potentials | 16 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|-----------------|----|
| Number of poles | 16 |
|-----------------|----|

Physical data

| | |
|-------------------------|-----------------------|
| Pin spacing | 5 mm / 0.197 inch |
| Width | 81.5 mm / 3.209 inch |
| Height | 32.75 mm / 1.289 inch |
| Height from the surface | 18.25 mm / 0.719 inch |
| Depth | 11.6 mm / 0.457 inch |

Plug-in connection

| | |
|---------------------------------------------------|-------------------------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for front-entry rail-mount terminal block |
| Mismatching protection | No |
| Locking of plug-in connection | Without |
| Mating direction to the rail-mount terminal block | 90° |

Material data

| | |
|-----------------------------|------------------|
| Color | gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper alloy |
| Contact plating | tin-plated |
| Fire load | 0.297 MJ |
| Weight | 16.8 g |

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

Environmental requirements



| | |
|-------------------------|----------------|
| Limit temperature range | -60 ... +85 °C |
|-------------------------|----------------|

Commercial data


| | |
|-----------------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| PU (SPU) | 25 Stück |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918569811 |
| Customs tariff number | 8536694040 |

Approvals / Certificates


Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
| | CB DEKRA Certification B.V. | IEC 61984 | NL-39756 |
|  | CSA DEKRA Certification B.V. | C22.2 | 1466354 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 2190761.01 |

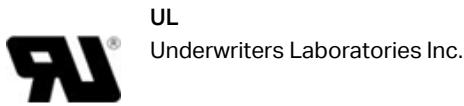
Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|-------------------------------------------------------------------------------------|----------------------------------|--------------------------|------------------|
|  | BV Bureau Veritas S.A. | IEC 60998 | 11915/D0 BV |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|------------------|
|  | UL Underwriters Laboratories Inc. | UL 1059 | E45172 |

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



UL

UL 1977

E45171

Counterpart



Item no.231-616

Male connector; 16-pole; Pin spacing 5 mm; gray

www.wago.com/231-616

Optional accessories

Testing accessories

Testing accessories



Item no.: 231-661

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

www.wago.com/231-661

Downloads

Documentation

Additional Information

| | | | |
|------------------------|------------|---------------|----------|
| Technical explanations | 2019 Apr 3 | pdf 2.0 MB | Download |
|------------------------|------------|---------------|----------|

CAD files

CAD data

| | | |
|------------------------------|-----|----------|
| 2D/3D Models 232-146/005-000 | URL | Download |
|------------------------------|-----|----------|

CAE data

| | | |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 232-146/005-000 | URL | Download |
|-----------------------------------|-----|----------|

| | | |
|------------------------------|-----|----------|
| ZUKEN Portal 232-146/005-000 | URL | Download |
|------------------------------|-----|----------|

| | | |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 232-146/005-000 | URL | Download |
|-----------------------------------|-----|----------|

Environmental Product Compliance

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

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Compliance Search

Environmental Product Compliance 232-146/005-000

URL

Download

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 16-pole; gray

Installation Notes

Product family

MCS MIDI Classic

[Show all products from the family](#)

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

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