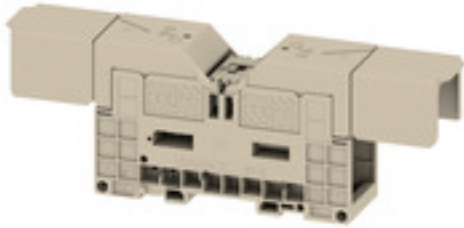


**Bolt-type screw terminals
WFF 185/AH**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image

Similar to illustration

Klippon® Connect with stud Technology

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation..

General ordering data

| | |
|------------|---|
| Type | WFF 185/AH |
| Order No. | 1029600000 |
| Version | Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 185 mm ² , Threaded stud connection |
| GTIN (EAN) | 4008190106188 |
| Qty. | 2 pc(s). |

Creation date May 1, 2020 8:14:59 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|----------|-----------------|------------|
| Width | 55 mm | Width (inches) | 2.165 inch |
| Height | 163 mm | Height (inches) | 6.417 inch |
| Depth | 89.5 mm | Depth (inches) | 3.524 inch |
| Depth including DIN rail | 87 mm | Weight | 455 g |
| Net weight | 466.43 g | | |

Temperatures

| | | | |
|----------------------------------|---|----------------------------------|---------------|
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max. | 40 °C |
| Storage temperature, min. | 10 °C | Storage temperature | 10 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|---------------------|
| Certificate No. (ATEX) | KEMA98ATEX1684U | Certificate No. (IECEX) | IECEXKEM07.0053U |
| Max. voltage (ATEX) | 1100 V | Current (ATEX) | 307 A |
| Wire cross section max. (ATEX) | 185 mm ² | Max. voltage (IECEX) | 1100 V |
| Current (IECEX) | 307 A | Wire cross section max. (IECEX) | 185 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | Ex eb II C Gb |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|-------------------------------------|----|-----------------------------------|-------|
| End cover plate required | No | Number of levels | 1 |
| Number of clamping points per level | 2 | Levels cross-connected internally | No |
| PE connection | No | Rail | TS 35 |

Additional technical data

| | | | |
|--------------------------|--------|-----------------------------|---------|
| Explosion-tested version | Yes | Number of similar terminals | 1 |
| Open sides | closed | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|-----------|
| Certificate No. (CSA) | 200039-1244019 | Current size C (CSA) | 360 A |
| Current size D (CSA) | 5 A | Voltage size C (CSA) | 600 V |
| Voltage size D (CSA) | 600 V | Wire cross section max. (CSA) | 500 kcmil |
| Wire cross section min. (CSA) | 8 AWG | | |

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---------------------------|--------------------------|--------------------------------|--------------------------|
| 2 x cable lugs DIN 46 234 | 10...185 mm ² | 2 x cable lugs DIN 46 235 | 25...185 mm ² |
| Cable lug to DIN 46234 | 10...240 mm ² | Cable lug to DIN 46235 | 25...240 mm ² |
| Clamping range, max. | 240 mm ² | Clamping range, min. | 10 mm ² |
| Number of connections | 2 | Stud size for spade connection | M 12 |
| Tightening torque, max. | 31 Nm | Tightening torque, min. | 14 Nm |
| Type of connection | Threaded stud connection | | |

Rating data

| | | | |
|--|---------------------|---|---------|
| Rated cross-section | 185 mm ² | Rated voltage | 1,000 V |
| Rated current | 353 A | Current at maximum wires | 415 A |
| Volume resistance according to IEC 60947-7-x | 0.09 mΩ | Power loss in accordance with IEC 60947-7-x | 11.3 W |
| Rated impulse withstand voltage | 8 kV | Pollution severity | 3 |

Stud connection

| | | | |
|--------------------------------|--------------------------|---------------------------|--------------------------|
| 2 x cable lugs DIN 46 234 | 10...185 mm ² | 2 x cable lugs DIN 46 235 | 25...185 mm ² |
| Cable lug to DIN 46234 | 10...240 mm ² | Cable lug to DIN 46235 | 25...240 mm ² |
| Stud size for spade connection | M 12 | Tightening torque, max. | 31 Nm |
| Tightening torque, min. | 14 Nm | | |

UL rating data

| | | | |
|---|--------|---|---------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 500 AWG |
| Conductor size Factory wiring min. (UR) | 8 AWG | Conductor size Field wiring max. (UR) | 500 AWG |
| Conductor size Field wiring min. (UR) | 8 AWG | Current size C (UR) | 380 A |
| Voltage size C (UR) | 1000 V | | |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| eClass 9.0 | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC | 30-21-18-01 |

Approvals

Approvals



ROHS

Conform

Data sheet**Bolt-type screw terminals
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Technical data**Downloads**

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate IECEX Certificate IECEX Certificate IECEX Certificate ATEX Certificate CB Certificate DE_PT1004_20160418_868_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM. 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | Cross Connection Guide StorageConditionsTerminalBlocks |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | WS 12/6.5 MC NE WS | Version |
| Order No. | 1609920000 | WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50 |
| GTIN (EAN) | 4008190203511 | Weidmueller, Allen-Bradley, white |
| Qty. | 540 pc(s). | |

Cover hoods



Klippon® Connect with stud Technology

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General ordering data

| | | |
|------------|----------------------------|---|
| Type | WAH 185/300 BE | Version |
| Order No. | 1064760000 | Bolt-type screw terminals, Hood, beige, 54 mm |
| GTIN (EAN) | 4008190108267 | |
| Qty. | 10 pc(s). | |
| Type | WAH 185/300 BL | Version |
| Order No. | 1064780000 | Bolt-type screw terminals, Hood, blue, 54 mm |
| GTIN (EAN) | 4008190103200 | |
| Qty. | 10 pc(s). | |

Data sheet

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Accessories

Test plug



Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

| | | |
|------------|----------------------------|------------------------|
| Type | PS 4 F.STB 4 | Version |
| Order No. | 0299600000 | Accessories, Test plug |
| GTIN (EAN) | 4008190074043 | |
| Qty. | 20 pc(s). | |

Cross-connections



Klippon® Connect with stud Technology

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation..

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WQL 3 WFF185 | Version |
| Order No. | 1065700000 | Bolt-type screw terminals, Cross-connector, Number of poles: 3 |
| GTIN (EAN) | 4008190140885 | |
| Qty. | 5 pc(s). | |
| Type | WQL 2 WFF185 | Version |
| Order No. | 1065200000 | Bolt-type screw terminals, Cross-connector, Number of poles: 2 |
| GTIN (EAN) | 4008190044855 | |
| Qty. | 5 pc(s). | |

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Accessories
Blank


The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | DEK 5/5 MC NE WS | Version | |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 | |
| GTIN (EAN) | 4008190397111 | Weidmueller, white | |
| Qty. | 1,000 pc(s). | | |

End brackets

Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

| | | | |
|------------|----------------------------|-----------------------|--|
| Type | WEW 35/1 | Version | |
| Order No. | 1059000000 | W-Series, End bracket | |
| GTIN (EAN) | 4008190172282 | | |
| Qty. | 50 pc(s). | | |

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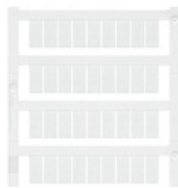
Accessories
Potential distribution

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General ordering data

| | | |
|------------|----------------------------|---------------------------------|
| Type | WZAF 185 | Version |
| Order No. | 1066400000 | W-Series, Additional connection |
| GTIN (EAN) | 4008190031985 | |
| Qty. | 10 pc(s). | |

Custom printing


WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | WS 12/6.5 MC SDR | Version |
| Order No. | 1609930000 | WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50 |
| GTIN (EAN) | 4008190456665 | Weidmueller, Allen-Bradley, To customer specification |
| Qty. | 108 pc(s). | |