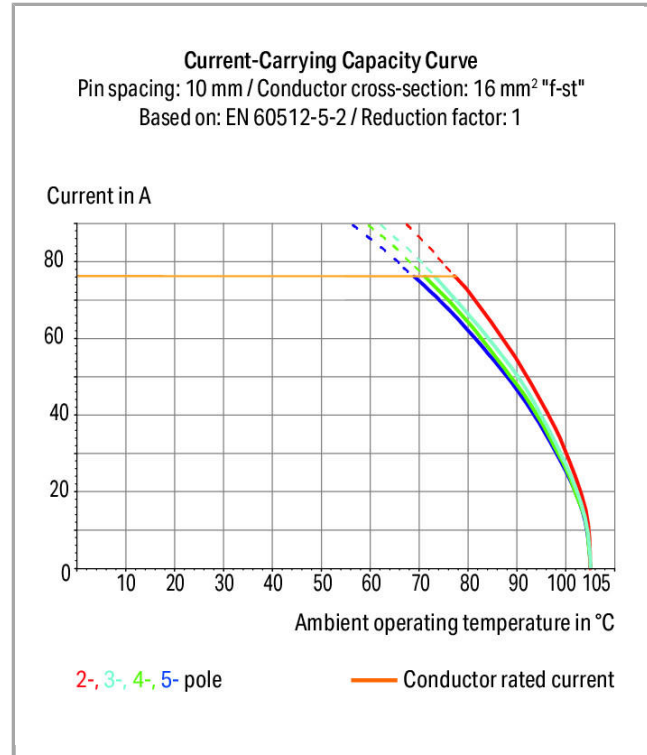
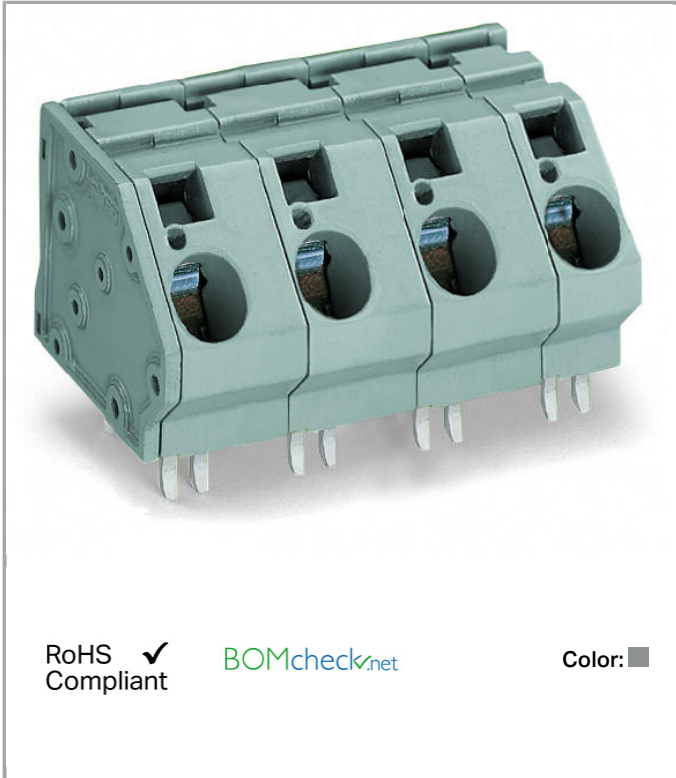


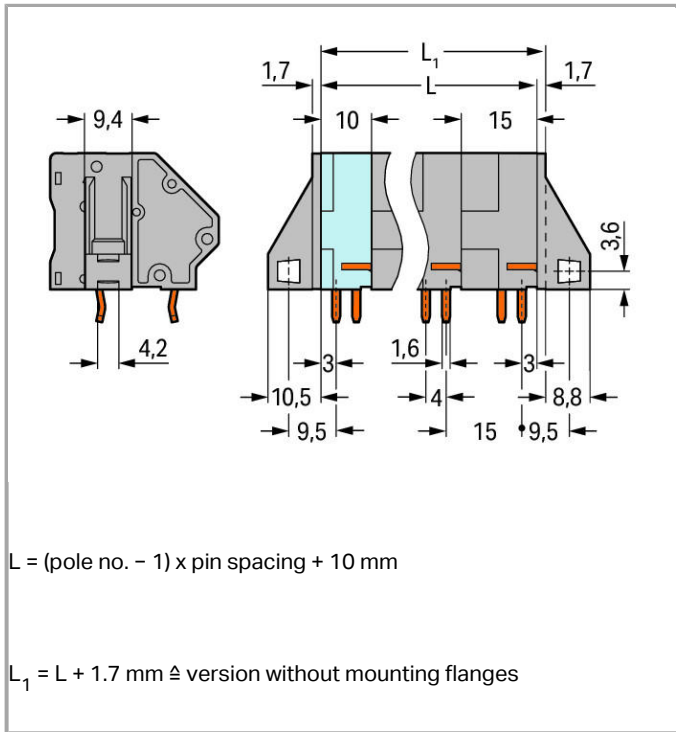
Data sheet | Item number: 745-604/011-000

PCB terminal block; 16 mm²; Pin spacing 15 mm; 4-pole; CAGE CLAMP®; commoning option



745-604/011-000





Item description

- PCB terminal strips with screwdriver-actuated CAGE CLAMP®
- Versions with Ex approval
- Unrestricted UL approval up to 600 V with 20 mm pin spacing
- Common and distribute potentials via comb-style jumper bars
- Four solder pins for high mechanical stability
- Integrated testing tap
- Marker slot for Mini-WSB markers

Data

Electrical data

Ratings per IEC/EN 60664-1

| | |
|---------------------------------|--------|
| Rated voltage (III / 3) | 630 V |
| Rated impulse voltage (III / 3) | 8 kV |
| Rated voltage (III / 2) | 630 V |
| Rated impulse voltage (III / 2) | 8 kV |
| Rated voltage (II / 2) | 1000 V |
| Rated impulse voltage (II / 2) | 8 kV |
| Rated current | 76 A |



Approvals per UL 1059

| | |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 65 A |
| Rated voltage UL (Use Group C) | 300 V |
| Rated current UL (Use Group C) | 65 A |
| Rated voltage UL (Use Group D) | 600 V |
| Rated current UL (Use Group D) | 5 A |

Approvals per CSA

| | |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 65 A |
| Rated voltage CSA (Use Group C) | 300 V |
| Rated current CSA (Use Group C) | 65 A |
| Rated voltage CSA (Use Group D) | 600 V |
| Rated current CSA (Use Group D) | 5 A |

Connection data

| | |
|---|---|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Solid conductor | 0.2 ... 16 mm ² / 24 ... 6 AWG |
| Fine-stranded conductor | 0.2 ... 16 mm ² / 24 ... 6 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0.25 ... 10 mm ² |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 10 mm ² |
| Strip length | 12 ... 13 mm / 0.47 ... 0.51 inch |
| Conductor entry angle to the PCB | 45° |
| No. of poles | 4 |
| Total number of connection points | 4 |
| Total number of potentials | 4 |
| Number of connection types | 1 |
| Number of levels | 1 |
| Number of jumper slots | 1 |

Geometrical Data

| | |
|-------------------------|----------------------|
| Pin spacing | 15 mm / 0.591 inch |
| Width | 76 mm / 2.992 inch |
| Height | 33.5 mm / 1.319 inch |
| Height from the surface | 27 mm / 1.063 inch |
| Depth | 33.4 mm / 1.315 inch |
| Solder pin length | 6.5 mm |
| Solder pin dimensions | 1.2 x 1.6 mm |

| | |
|-----------------------------------|------------------------------|
| Drilled hole diameter (tolerance) | 2.2 ^(-...+0.1) mm |
|-----------------------------------|------------------------------|

Mechanical data

| | |
|------------------|-----------------|
| Mounting type | Mounting flange |
| Type of mounting | Panel mounting |

PCB contact

| | |
|-------------------------------------|---|
| PCB contact | THT |
| Solder pin arrangement | over the entire terminal strip, in line |
| Number of solder pins per potential | 4 |

Material Data

| | |
|-----------------------------|--|
| Color | gray |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.78 MJ |
| Weight | 44.893 g |

Environmental Requirements

| | |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|

Commercial data


| | |
|--------------------|---------------------|
| Product Group | 4 (Printed Circuit) |
| Country of origin | PL |
| GTIN | 4044918302982 |
| Customs Tariff No. | 85369010000 |

Approvals / Certificates

Country specific Approvals











| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1604421 |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UR Underwriters Laboratories Inc. | UL 1059 | E45172 sec6 |

Compatible products

Marking accessories

| | | | |
|--|---|----------|----------|
|  | Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | | 2009-145 |
|  | Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-002 | 2009-145 |
|  | Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-005 | 2009-145 |
|  | Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-006 | 2009-145 |
|  | Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-007 | 2009-145 |
|  | Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-012 | 2009-145 |
|  | Item no.: 2009-145/000-023 Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-023 | 2009-145 |
|  | Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-024 | 2009-145 |
|  | Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card | | 248-501 |
| Jumper | | | |
|  | Item no.: 745-631 Comb-style jumper bar; 2-way (1-3) | | 745-631 |
| | Item no.: 745-632 Comb-style jumper bar; 2-way | | 745-632 |



Item no.: 745-633
Comb-style jumper bar; 3-way

745-633



Item no.: 745-634
Comb-style jumper bar; 4-way

745-634

ferrule



Item no.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated

216-101



Item no.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated

216-102



Item no.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

216-103



Item no.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated

216-104



Item no.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated

216-106



Item no.: 216-107
Ferrule; Sleeve for 4 mm² / AWG 12; uninsulated; electro-tin plated

216-107



Item no.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated

216-108



Item no.: 216-109
Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated

216-109



Item no.: 216-110
Ferrule; Sleeve for 16 mm² / AWG 6; uninsulated; electro-tin plated

216-110



Item no.: 216-121
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated

216-121



Item no.: 216-122
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated

216-122



Item no.: 216-123
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

216-123



Item no.: 216-124
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated

216-124



Item no.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated

216-131



Item no.: 216-132
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated




















216-132


















Item no.: 216-141
Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

216-141

Item no.: 216-142

| | | |
|--|--|---------|
|  | Ferrule; Sleeve for 0.75 mm ² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | 216-142 |
| | Item no.: 216-143 | |
|  | Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | 216-143 |
| | Item no.: 216-144 | |
|  | Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | 216-144 |
| | Item no.: 216-151 | |
|  | Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | 216-151 |
| | Item no.: 216-152 | |
|  | Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | 216-152 |
| | Item no.: 216-201 | |
|  | Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated | 216-201 |
| | Item no.: 216-202 | |
|  | Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated | 216-202 |
| | Item no.: 216-203 | |
|  | Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated | 216-203 |
| | Item no.: 216-204 | |
|  | Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated | 216-204 |
| | Item no.: 216-205 | |
|  | Ferrule; Sleeve for 2.08 mm ² / AWG 14; insulated; electro-tin plated | 216-205 |
| | Item no.: 216-206 | |
|  | Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated | 216-206 |
| | Item no.: 216-207 | |
|  | Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated | 216-207 |
| | Item no.: 216-208 | |
|  | Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-208 |
| | Item no.: 216-209 | |
|  | Ferrule; Sleeve for 10 mm ² / AWG 8; insulated; electro-tin plated | 216-209 |
| | Item no.: 216-210 | |
|  | Ferrule; Sleeve for 16 mm ² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-210 |
| | Item no.: 216-221 | |
|  | Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated | 216-221 |
| | Item no.: 216-222 | |
|  | Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated | 216-222 |
| | Item no.: 216-223 | |
|  | Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated | 216-223 |
| | Item no.: 216-224 | |
|  | Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated | 216-224 |
| | Item no.: 216-241 | |

| | | |
|---|--|---------|
|  | Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-241 |
| | Item no.: 216-242 | |
|  | Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-242 |
| | Item no.: 216-243 | |
|  | Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-243 |
| | Item no.: 216-244 | |
|  | Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-244 |
| | Item no.: 216-246 | |
|  | Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-246 |
| | Item no.: 216-262 | |
|  | Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-262 |
| | Item no.: 216-263 | |
|  | Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-263 |
| | Item no.: 216-264 | |
|  | Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-264 |
| | Item no.: 216-266 | |
|  | Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-266 |
| | Item no.: 216-267 | |
|  | Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-267 |
| | Item no.: 216-284 | |
|  | Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-284 |
| | Item no.: 216-286 | |
|  | Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-286 |
| | Item no.: 216-287 | |
|  | Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-287 |
| | Item no.: 216-288 | |
|  | Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-288 |
| | Item no.: 216-289 | |
|  | Ferrule; Sleeve for 10 mm ² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-289 |
| | Item no.: 216-301 | |
| | Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated | 216-301 |
| | Item no.: 216-302 | |
|  | Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated | 216-302 |
| | Item no.: 216-321 | |
| | Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated | 216-321 |



Item no.: 216-322

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated

216-322

Downloads

CAD/CAE - Smart Data

PCB libraries

| | | | |
|---|--------------------|----------------|----------|
| DesignSpark Library for WAGO PCB Terminal Blocks Compatible with DesignSpark PCB Version 4.x or higher | 2.1 Oct 6, 2014 | zip 22.5 MB | Download |
|---|--------------------|----------------|----------|

| | | | |
|--|----------------------|----------------|----------|
| TARGET Library for WAGO PCB Terminal Blocks Compatible with TARGET PCB Design Software Version 17.x | 1.1.0 Oct 6, 2014 | zip 27.1 MB | Download |
|--|----------------------|----------------|----------|

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|---|--------------------|----------------|----------|
| EAGLE Library for WAGO PCB Terminal Blocks Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1 Oct 6, 2014 | zip 23.9 MB | Download |
|---|--------------------|----------------|----------|

CAD data

| | | | |
|-----------------------------|--|-----|----------|
| 3D Download 745-604/011-000 | | URL | Download |
|-----------------------------|--|-----|----------|

Subject to changes.