

SAKDU 4/ZR BL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



General ordering data

| | |
|------------|--|
| Version | Feed-through terminal, Screw connection, 4 mm ² , 630 V, 32 A, blue |
| Order No. | 2018280000 |
| Type | SAKDU 4/ZR BL |
| GTIN (EAN) | 4050118450965 |
| Qty. | 50 items |

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Technical data

Approvals

Approvals



ROHS Conform
UL File Number Search [UL Website](#)
Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 47 mm | Depth (inches) | 1.8504 inch |
| Depth including DIN rail | 48 mm | Height | 46 mm |
| Height (inches) | 1.811 inch | Width | 6.1 mm |
| Width (inches) | 0.2402 inch | Net weight | 9.72 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
REACH SVHC No SVHC above 0.1 wt%

Material data

| | | | |
|---------------------------|---------|--------|------|
| Basic material | PA 66/6 | Colour | blue |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------|-------|-------------------------------------|----|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 3 |
| Number of potentials per tier | 1 | PE connection | No |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

Explosion-tested version No

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|-------------------------|------------------|---|--------|
| Gauge to IEC 60947-1 | A4 | Wire connection cross section AWG, max. | AWG 10 |
| Connection direction | on side | Tightening torque, max. | 0.8 Nm |
| Tightening torque, min. | 0.5 Nm | Stripping length | 10 mm |
| Type of connection | Screw connection | Number of connections | 3 |

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| Clamping range, max. | 6 mm ² | Clamping range, min. | 0.5 mm ² |
| Clamping screw | M 3 | Wire connection cross section AWG, min. | AWG 20 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross section, finely stranded, min. | 0.5 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² | Wire connection cross-section, solid core, max. | 6 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | Connection cross-section, finely stranded, min. | 0.5 mm ² |

General

| | | | |
|---|--------|---|--------|
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 20 |
| Mounting rail | TS 35 | | |

Rating data

| | | | |
|---------------------------------|-------------------|--|--------|
| Rated cross-section | 4 mm ² | Rated voltage | 630 V |
| Rated DC voltage | 630 V | Nominal current | 32 A |
| Current at maximum wires | 32 A | Volume resistance according to IEC 60947-7-x | 1 mΩ |
| Rated impulse withstand voltage | 8 kV | Power loss in accordance with IEC 60947-7-x | 1.02 W |
| Surge voltage category | III | Pollution severity | 3 |

UL rating data

| | | | |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 10 AWG | Voltage size B (cURus) | 300 V |
| Voltage size D (cURus) | 300 V | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 20 AWG | Conductor size Factory wiring min. (cURus) | 20 AWG |
| Current size B (cURus) | 30 A | Voltage size C (cURus) | 150 V |
| Current size C (cURus) | 30 A | Current size D (cURus) | 10 A |
| Conductor size Field wiring max. (cURus) | 10 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 | | |

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Accessories

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Accessories

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SAKQ 4/2 | Version |
| Order No. | 1129310000 | Cross-connector (terminal), when screwed in, grey, Number of poles: |
| GTIN (EAN) | 4032248996483 | 2, Pitch in mm (P): 6.10, Insulated: No, Width: 6 mm |
| Qty. | 50 ST | |
| Type | SAKQ 4/3 | Version |
| Order No. | 1129320000 | Cross-connector (terminal), when screwed in, grey, Number of poles: |
| GTIN (EAN) | 4032248996162 | 3, Pitch in mm (P): 6.10, Insulated: No, Width: 6 mm |
| Qty. | 50 ST | |
| Type | SAKQ 4/4 | Version |
| Order No. | 1129330000 | Cross-connector (terminal), when screwed in, grey, Number of poles: |
| GTIN (EAN) | 4032248996179 | 4, Pitch in mm (P): 6.10, Insulated: No, Width: 6 mm |
| Qty. | 50 ST | |
| Type | SAKQ 4/10 | Version |
| Order No. | 1129340000 | Cross-connector (terminal), when screwed in, grey, Number of poles: |
| GTIN (EAN) | 4032248996186 | 10, Pitch in mm (P): 6.10, Insulated: No, Width: 6 mm |
| Qty. | 20 ST | |
| Type | SAKEW 35 | Version |
| Order No. | 1129450000 | End and partition plate for terminals, grey, Height: 50 mm, Width: 8.5 |
| GTIN (EAN) | 4032248970612 | mm, V-0, PA 66/6 |
| Qty. | 50 ST | |
| Type | SAKAP/SAKDU 4/ZR | Version |
| Order No. | 2038960000 | End and partition plate for terminals, grey, Height: 45.8 mm, Width: |
| GTIN (EAN) | 4050118455236 | 1.5 mm, V-0, PA 66/6 |
| Qty. | 20 ST | |
| Type | TSCH 5 | Version |
| Order No. | 1485880000 | Small partition (terminal), PA 66/6, grey, Continuous operating temp., |
| GTIN (EAN) | 4050118315394 | max.: 120 °C |
| Qty. | 100 ST | |
| Type | SAKTW 35 | Version |
| Order No. | 2696960000 | End and partition plate for terminals, grey, Height: 55 mm, Width: 1.5 |
| GTIN (EAN) | 4050118861464 | mm, V-0, PA 66/6 |
| Qty. | 20 ST | |

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Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | QB 75/6.2/15 | Version | |
| Order No. | 0535200000 | Cross-connector (terminal), when screwed in, grey, 27 A, Number of | |
| GTIN (EAN) | 4008190179168 | poles: 75, Pitch in mm (P): 6.00, Insulated: No, Width: 0.8 mm | |
| Qty. | 10 ST | | |

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | QB 75/6.2/9/WI | Version | |
| Order No. | 0526400000 | Cross-connector (terminal), when screwed in, grey, 27 A, Number of | |
| GTIN (EAN) | 4008190099923 | poles: 75, Pitch in mm (P): 6.00, Insulated: No, Width: 0.8 mm | |
| Qty. | 10 ST | | |
| Type | ISPF QB75 SW | Version | |
| Order No. | 0526700000 | Insulation profile, Plastic, black | |
| GTIN (EAN) | 4008190093723 | | |
| Qty. | 10 ST | | |

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

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Accessories

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | SDS 0.6X3.5X100 | Version | |
| Order No. | 2749340000 | Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm | |
| GTIN (EAN) | 4050118895568 | | |
| Qty. | 1 ST | | |

Plus



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.

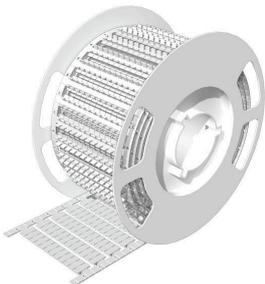
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- 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 5/6 PLUS MC NE WS | Version | |
| Order No. | 1011320000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4032248717644 | Weidmueller, white | |
| Qty. | 1000 ST | | |

BLM



General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | BLM 5/6 TB | Version | |
| Order No. | 7760380691 | BLM, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, white | |
| GTIN (EAN) | 6944169819131 | | |
| Qty. | 6000 ST | | |