

## High-current terminal block - UBAL 95 BN - 1086479

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High-current terminal block, Terminal block for aluminum and copper conductors (AL-CU), nom. voltage: 1000 V, nominal current: 220 A, connection method: Screw connection, number of connections: 2, number of positions: 1, cross section: 16 mm<sup>2</sup> - 95 mm<sup>2</sup>, AWG: 4 - 4/0, width: 25.1 mm, height: 58 mm, color: brown, mounting type: NS 35/15, NS 35/7,5

### Your advantages

- ✓ Tailor-made screw connection for multi-stranded aluminum conductors and copper wires
- ✓ Maintenance-free terminal points that are greased beforehand simplify the connection of aluminum conductors
- ✓ Extremely robust housing made from fiberglass-reinforced polyamide with V0 approval



### Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4055626878065

### Technical data

#### General

Note	Terminal block for aluminum and copper conductors (AL-CU)
Number of positions	1
Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	95 mm <sup>2</sup>
Color	brown
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II

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## Technical data

### General

Note	The following values apply to aluminum conductors
Maximum load current	220 A (with 95 mm <sup>2</sup> conductor cross section – test current in accordance with IEC 61238-1)
Nominal current I <sub>N</sub>	220 A
Nominal voltage U <sub>N</sub>	1000 V
Note	The following values apply to copper wires
Maximum load current	232 A (with 95 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	232 A
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	No
Ambient temperature (operation)	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

### Dimensions

Width	25.1 mm
Length	93.6 mm
Height	58 mm
Height NS 35/7,5	58 mm
Height NS 35/15	65.5 mm

### Connection data

Note	Screws with hexagonal socket
Connection method	Screw connection
Screw thread	M14
Stripping length	27 mm
Note	The following values apply to aluminum conductors
Connection in acc. with standard	IEC 61238-1
Conductor cross section solid min.	16 mm <sup>2</sup>
Conductor cross section solid max.	95 mm <sup>2</sup>
Conductor cross section AWG min.	4
Conductor cross section AWG max.	4/0
Conductor cross section flexible min.	16 mm <sup>2</sup>
Conductor cross section flexible max.	95 mm <sup>2</sup>
Note	The values for aluminum conductors relate to multi-stranded conductors in accordance with EN 60228. Application notes on connecting aluminum conductors can be found in the download area.
	The following values apply to copper wires
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	16 mm <sup>2</sup>

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## Technical data

### Connection data

Conductor cross section solid max.	95 mm <sup>2</sup>
Conductor cross section AWG min.	4
Conductor cross section AWG max.	4/0
Conductor cross section flexible min.	16 mm <sup>2</sup>
Conductor cross section flexible max.	70 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	70 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	70 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	35 mm <sup>2</sup>

### Standards and Regulations

Connection in acc. with standard	IEC 61238-1
	IEC 60947-7-1
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Circuit diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

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## Classifications

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals

### Approvals

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Approvals

UL Recognized

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Ex Approvals

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### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
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## Accessories

Accessories

End cover

# High-current terminal block - UBAL 95 BN - 1086479

## Accessories

Cover plate - CEC UBAL 95 - 1090035



Cover plate, color: yellow

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## Terminal marking

Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

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Marker for terminal blocks - UCT-TM 8 YE - 0828741



Marker for terminal blocks, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

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Marker for terminal blocks - UCT-TM 8 GN - 0829168



Marker for terminal blocks, Sheet, green, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

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Marker for terminal blocks - UCT-TM 8 RD - 0829164



Marker for terminal blocks, Sheet, red, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

## High-current terminal block - UBAL 95 BN - 1086479

### Accessories

#### Marker for terminal blocks - UCT-TM 8 BU - 0829167



Marker for terminal blocks, Sheet, blue, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

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#### Marker for terminal blocks - UCT-TM 8 VT - 0829166



Marker for terminal blocks, Sheet, violet, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

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#### Marker for terminal blocks - UCT-TM 8 OG - 0829165



Marker for terminal blocks, Sheet, orange, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

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