High-current terminal block - UBAL 50 - 1086465

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High-current terminal block, Terminal block for aluminum and copper conductors (AL-CU), nom. voltage: 1000 V, nominal current: 145 A, connection method: Screw connection, number of connections: 2, number of positions: 1, cross section: 6 mm² - 50 mm², AWG: 6 - 1/0, width: 19.2 mm, height: 51 mm, color: gray, 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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	4 055626 879208
GTIN	4055626879208
Weight per Piece (excluding packing)	49.000 g
Custom tariff number	85369010
Country of origin	Estonia

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	50 mm²

High-current terminal block - UBAL 50 - 1086465

Technical data

General

Color	gray
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	I
Designation	Level 1
Note	The following values apply to aluminum conductors
Maximum load current	145 A (with 50 mm² conductor cross section)
Nominal current I_N	145 A
Nominal voltage U_N	1000 V
Designation	Level 2
Note	The following values apply to copper wires
Maximum load current	150 A (with 50 mm² conductor cross section)
Nominal current I_N	150 A
Nominal voltage U_N	1000 V
Open side panel	No
Result of surge voltage test	Test passed
Surge voltage test setpoint	8 kV
Power frequency withstand voltage setpoint	2.2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test conductor cross section/weight	2.5 mm² / 0.7 kg
	50 mm² / 9.5 kg
Conductor cross section tensile test	2.5 mm²
Tractive force setpoint	50 N
Conductor cross section tensile test	50 mm²
Tractive force setpoint	236 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	10 N
Requirements, voltage drop	$U_1 \leq 3.2$ mV; $U_2 \leq 1.5 \times U_1$
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	50 mm²
Short-time current	6 kA

High-current terminal block - UBAL 50 - 1086465

Technical data

General

Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	10 s
Relative insulation material temperature index (Elec., UL 746 B)	600 °C

Dimensions

Width	19.2 mm
Length	82.5 mm
Height	51 mm
Height NS 35/7,5	51 mm
Height NS 35/15	58.5 mm

Connection data

Note	Screws with hexagonal socket
Connection method	Screw connection
Screw thread	M10
Stripping length	23 mm
Note	The following values apply to aluminum conductors
Connection in acc. with standard	IEC 61238-1
Conductor cross section solid min.	6 mm²
Conductor cross section solid max.	50 mm²
Conductor cross section AWG min.	6
Conductor cross section AWG max.	1/0
Conductor cross section flexible min.	6 mm²
Conductor cross section flexible max.	50 mm²
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.	2.5 mm²
Conductor cross section solid max.	50 mm²
Conductor cross section AWG min.	6
Conductor cross section AWG max.	1/0
Conductor cross section flexible min.	2.5 mm²
Conductor cross section flexible max.	35 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	2.5 mm²

High-current terminal block - UBAL 50 - 1086465

Technical data

Connection data

Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm²
2 conductors with same cross section, stranded min.	1.5 mm²
2 conductors with same cross section, stranded max.	16 mm²

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 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

ETIM

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

High-current terminal block - UBAL 50 - 1086465

Classifications

ETIM

ETIM 7.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Accessories

Accessories

End cover

Cover plate - CEC UBAL 50 - 1086473

Cover plate, color: yellow

Terminal marking

Marker for terminal blocks - UCT-TM 5 - 0828734

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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

Marker for terminal blocks - UCT-TM 5 OG - 0829155

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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

High-current terminal block - UBAL 50 - 1086465

Accessories

Marker for terminal blocks - UCT-TM 5 BU - 0829157

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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

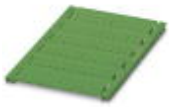
Marker for terminal blocks - UCT-TM 5 YE - 0828735

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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

Marker for terminal blocks - UCT-TM 5 RD - 0829154

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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

Marker for terminal blocks - UCT-TM 5 GN - 0829158



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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

Marker for terminal blocks - UCT-TM 5 VT - 0829156

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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

High-current terminal block - UBAL 95 - 1086475

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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 mm² - 95 mm², AWG: 4 - 4/0, width: 25.1 mm, height: 58 mm, color: gray, 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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	4 055626 875682
GTIN	4055626875682
Weight per Piece (excluding packing)	98.000 g
Custom tariff number	85369010
Country of origin	Estonia

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 mm²

High-current terminal block - UBAL 95 - 1086475

Technical data

General

Color	gray
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	I
Designation	Level 1
Note	The following values apply to aluminum conductors
Maximum load current	220 A (with 95 mm^2 conductor cross section)
Nominal current I_N	220 A
Nominal voltage U_N	1000 V
Designation	Level 2
Note	The following values apply to copper wires
Maximum load current	232 A (with 95 mm^2 conductor cross section)
Nominal current I_N	232 A
Nominal voltage U_N	1000 V
Open side panel	No

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 mm²
Conductor cross section solid max.	95 mm²
Conductor cross section AWG min.	4
Conductor cross section AWG max.	4/0
Conductor cross section flexible min.	16 mm²

High-current terminal block - UBAL 95 - 1086475

Technical data

Connection data

Conductor cross section flexible max.	95 mm²
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 mm²
Conductor cross section solid max.	95 mm²
Conductor cross section AWG min.	4
Conductor cross section AWG max.	4/0
Conductor cross section flexible min.	16 mm²
Conductor cross section flexible max.	70 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	16 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	70 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	70 mm²
2 conductors with same cross section, stranded min.	16 mm²
2 conductors with same cross section, stranded max.	35 mm²

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

High-current terminal block - UBAL 95 - 1086475

Classifications

eCl@ss

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

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

Approvals

Approvals

Approvals

UL Recognized

Ex Approvals

Approval details

High-current terminal block - UBAL 95 - 1086475

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

Accessories

Accessories

End cover

Cover plate - CEC UBAL 95 - 1090035

Cover plate, color: yellow

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

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

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

High-current terminal block - UBAL 95 - 1086475

Accessories

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

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

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

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

High-current terminal block - UBAL 150 - 1086498

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High-current terminal block, Terminal block for aluminum and copper conductors (AL-CU), nom. voltage: 1000 V, nominal current: 290 A, connection method: Screw connection, number of connections: 2, number of positions: 1, cross section: 35 mm² - 150 mm², AWG: 2 - 300, width: 30.5 mm, height: 67 mm, color: gray, 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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	4 055626 877990
GTIN	4055626877990
Weight per Piece (excluding packing)	154.000 g
Custom tariff number	85369010
Country of origin	Estonia

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	150 mm²

High-current terminal block - UBAL 150 - 1086498

Technical data

General

Color	gray
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	I
Designation	Level 1
Note	The following values apply to aluminum conductors
Maximum load current	290 A (with 150 mm² conductor cross section)
Nominal current I_N	290 A
Nominal voltage U_N	1000 V
Designation	Level 2
Note	The following values apply to copper wires
Maximum load current	309 A (with 150 mm² conductor cross section)
Nominal current I_N	309 A
Nominal voltage U_N	1000 V
Open side panel	No

Dimensions

Width	30.5 mm
Length	105.5 mm
Height	67 mm
Height NS 35/7,5	67 mm
Height NS 35/15	74.5 mm

Connection data

Note	Screws with hexagonal socket
Connection method	Screw connection
Screw thread	M18
Stripping length	30 mm
Note	The following values apply to aluminum conductors
Connection in acc. with standard	IEC 61238-1
Conductor cross section solid min.	35 mm²
Conductor cross section solid max.	150 mm²
Conductor cross section AWG min.	2
Conductor cross section AWG max.	300
Conductor cross section flexible min.	35 mm²

High-current terminal block - UBAL 150 - 1086498

Technical data

Connection data

Conductor cross section flexible max.	150 mm²
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.	35 mm²
Conductor cross section solid max.	150 mm²
Conductor cross section AWG min.	2
Conductor cross section AWG max.	300
Conductor cross section flexible min.	35 mm²
Conductor cross section flexible max.	120 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	35 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	120 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	35 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	120 mm²
2 conductors with same cross section, stranded min.	35 mm²
2 conductors with same cross section, stranded max.	50 mm²

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

High-current terminal block - UBAL 150 - 1086498

Classifications

eCl@ss

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

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

Approvals

Approvals

Approvals

UL Recognized

Ex Approvals

Approval details

High-current terminal block - UBAL 150 - 1086498

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

Accessories

Accessories

End cover

Cover plate - CEC UBAL 150 - 1086474

Cover plate, color: yellow

Terminal marking

Marker for terminal blocks - UCT-TM 10 - 0829142

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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

Marker for terminal blocks - UCT-TM 10 GN - 0829173

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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

Marker for terminal blocks - UCT-TM 10 VT - 0829171

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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

High-current terminal block - UBAL 150 - 1086498

Accessories

Marker for terminal blocks - UCT-TM 10 RD - 0829169

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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

Marker for terminal blocks - UCT-TM 10 YE - 0829143

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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

Marker for terminal blocks - UCT-TM 10 BU - 0829172

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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

Marker for terminal blocks - UCT-TM 10 OG - 0829170

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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

High-current terminal block - UBAL 240 - 1086505

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High-current terminal block, Terminal block for aluminum and copper conductors (AL-CU), nom. voltage: 1000 V, nominal current: 380 A, connection method: Screw connection, number of connections: 2, number of positions: 1, cross section: 35 mm² - 240 mm², AWG: 3/0 - 500, width: 37.5 mm, height: 70 mm, color: gray

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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	4 055626 879338
GTIN	4055626879338
Weight per Piece (excluding packing)	280.000 g
Custom tariff number	85369010
Country of origin	Estonia

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	240 mm²

High-current terminal block - UBAL 240 - 1086505

Technical data

General

Color	gray
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	I
Designation	Level 1
Note	The following values apply to aluminum conductors
Maximum load current	380 A (with 240 mm² conductor cross section)
Nominal current I_N	380 A
Nominal voltage U_N	1000 V
Designation	Level 2
Note	The following values apply to copper wires
Maximum load current	415 A (with 240 mm² conductor cross section)
Nominal current I_N	415 A
Nominal voltage U_N	1000 V
Open side panel	No

Dimensions

Width	37.5 mm
Length	130 mm
Height	70 mm

Connection data

Note	Screws with hexagonal socket
Connection method	Screw connection
Screw thread	M20
Stripping length	43 mm
Note	The following values apply to aluminum conductors
Connection in acc. with standard	IEC 61238-1
Conductor cross section solid min.	35 mm²
Conductor cross section solid max.	240 mm²
Conductor cross section AWG min.	3/0
Conductor cross section AWG max.	500
Conductor cross section flexible min.	35 mm²
Conductor cross section flexible max.	240 mm²
Note	The values for aluminum conductors relate to multi-stranded conductors in accordance with EN 60228.

High-current terminal block - UBAL 240 - 1086505

Technical data

Connection data

	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.	35 mm²
Conductor cross section solid max.	240 mm²
Conductor cross section AWG min.	3/0
Conductor cross section AWG max.	500
Conductor cross section flexible min.	35 mm²
Conductor cross section flexible max.	185 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	35 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	185 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	35 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	185 mm²
2 conductors with same cross section, stranded min.	35 mm²
2 conductors with same cross section, stranded max.	70 mm²

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 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120

High-current terminal block - UBAL 240 - 1086505

Classifications

eCl@ss

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

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

Approvals

Approvals

Approvals

UL Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

High-current terminal block - UBAL 240 - 1086505

Accessories

Accessories

End cover

Cover plate - CEC UBAL 240 - 1090037

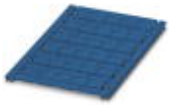
Cover plate, color: yellow

Terminal marking

Marker for terminal blocks - UCT-TM 12 - 0829144

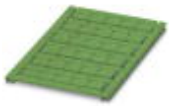
Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

Marker for terminal blocks - UCT-TM 12 BU - 0829177



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: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

Marker for terminal blocks - UCT-TM 12 GN - 0829178



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: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

High-current terminal block - UBAL 240 - 1086505

Accessories

Marker for terminal blocks - UCT-TM 12 VT - 0829176

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: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

Marker for terminal blocks - UCT-TM 12 RD - 0829174

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: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

Marker for terminal blocks - UCT-TM 12 OG - 0829175

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: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

Marker for terminal blocks - UCT-TM 12 YE - 0829145

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: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30