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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



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

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



Technical data

Color gray Insulating material PA Flammability rating according to UL 94 VO Rated surge voltage 8 kV Degree of pollution 3 Overvoltage category III Insulating material group Ire following values apply to aluminum conductors More The following values apply to aluminum conductors Maximum load current I _N 145 A (with 50 mm² conductor cross section) Nominal voltage U _N 1000 V Designation Level 2 Note The following values apply to copper wires Maximum load current I _N 150 A (with 50 mm² conductor cross section) Nominal voltage U _N 1000 V Open side panel No Result of surge voltage test set point 8 kV Power frequency withstand voltage sets point 8 kV Result of the test for mechanical stability of terminal points (5 x conductor cross section tensile test 2.5 mm² / 0.7 kg Bending test conductor cross section/weight 2.5 mm² / 0.7 kg Tractive force setpoint 30 N Conductor cross section tensile test 50 mm² <		
Flammability rating according to UL 94 VO 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 I _N 145 A (with 50 mm² conductor cross section) Nominal voltage U _N 1000 V Designation Level 2 Note The following values apply to copper wires Maximum load current I _N 150 A (with 50 mm² conductor cross section) Note The following values apply to copper wires Maximum load current I _N 150 A (with 50 mm² conductor cross section) Nominal voltage U _N 1000 V Open side panel No Result of surge voltage test set point 160 A Surge voltage test setpoint 2 k V Result of the test for mechanical stability of terminal points (5 x conductor consection tensile test 2.5 mm² (7 s kg Conductor cross section tensile test 50 mm² (9 s kg Conductor cross section tensile test 50 mm² <	Color	
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 I _k 145 A (with 50 mm² conductor cross section) Nominal current I _k 1600 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 _k 150 A Nominal voltage U _k 1000 V Open side panel No Result of 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 cross section tensile test 2.5 mm² / 0.7 kg Bending test conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 50 mm²	Insulating material	PA
Degree of pollution 3 Overvoltage category III Insulating material group Level 1 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 _k 1600 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 _k 150 A Nominal voltage U _k 1000 V Open side panel No Result of the surf or surge voltage test 150 A 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 Test passed Sending test conductor cross section vieight 2.5 mm² / 0.7 kg Conductor cross section tensile test 2.5 mm²	Flammability rating according to UL 94	V0
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 I₁ 145 A Nominal voltage U₂ 1000 V Designation Level 2 Note The following values apply to copper wires Maximum load current I₁ 150 A (with 50 mm² conductor cross section) Nominal current I₄ 150 A Nominal voltage U₂ No 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 consume clon) 2.5 mm² / 9.5 kg Bending test conductor cross section/weight 2.5 mm² / 9.5 kg Conductor cross section tensile test 50 mm² 9.5 mm² Tractive force setpoint 50 mm² 9.5 mm² 9.5 mm² Conductor cross section tensile test 50 mm²	Rated surge voltage	8 kV
Insulating material group I Designation Level 1 Note The following values apply to aluminum conductors Maximum load current I _N 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 I _N 150 A (with 50 mm² conductor cross section) Nominal current I _N 150 A Morninal 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 consuction) 2.5 mm² / 0.7 kg Conductor cross section Aveight 2.5 mm² / 0.7 kg Conductor cross section tensile test 50 mm² / 0.7 kg Conductor cross section tensile test 50 mm² / 0.7 kg Conductor cross section tensile test 50 mm² / 0.7 kg Tractive force setpoint 50 mm² <t< td=""><td>Degree of pollution</td><td>3</td></t<>	Degree of pollution	3
Designation Level 1 Note The following values apply to aluminum conductors Maximum load current 45 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 1600 V Nominal voltage U _N 1600 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 7 est passed Bending test conductor cross section/weight 2.5 mm² / 0.7 kg Bending test conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 50 mm² Tractive force setpoint 50 mm² Result of light fit on surport Test passed	Overvoltage category	III
Note The following values apply to aluminum conductors Maximum load current 145 A (with 50 mm² conductor cross section) Nominal voltage U _N 1500 V Designation Level 2 Maximum load current 150 A (with 50 mm² conductor cross section) Maximum load current I _N 150 A (with 50 mm² conductor cross section) Nominal current I _N 150 A Nominal voltage U _N 1000 V Open side panel No 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) 7 est passed Bending test conductor cross section/weight 2.5 mm² / 0.7 kg Conductor cross section tesile test 50 mm² / 9.5 kg Conductor cross section tesile test 50 mm² / 9.5 kg Tractive force setpoint 50 mm² / 9.5 kg Result of light fit on support 7 est passed Tractive force setpoint 20 mm² Result of light fit on support 7 est passed Result of tight fit on support 7 est passed Repuir ements, voltage drop <td>Insulating material group</td> <td>I</td>	Insulating material group	I
Maximum load current I _N 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 (with 50 mm² conductor cross section) Nominal voltage U _N 1000 V Open side panel No Result of 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 consuction) Test passed Bending test conductor cross section/weight 2.5 mm² / 0.7 kg Bending test conductor cross section tensile test 2.5 mm² / 0.7 kg Conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 50 mm² Tractive force setpoint 23 f N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 10 N Requirements, voltage drop U, ≤ 3.2 mV,	Designation	Level 1
Nominal current $I_{l_{h}}$ 145 A Nominal voltage U_{h} 1000 V Designation Level 2 Note The following values apply to copper wires Maximum load current I_{h} 150 A (with 50 mm² conductor cross section) Nominal current I_{h} 150 A Nominal voltage U_{h} 1000 V Open side panel No Result of 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 cross section) Bending test conductor cross section/weight 2.5 mm² / 0.7 kg Conductor cross section tensile test 2.5 mm² / 0.7 kg Conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 50 mm² Tractive force setpoint 236 N Result of tight fit on support Tractive force setpoint 10 N Result of tight fit on support 10 N Result of temperature-rise test 7est passed Short circuit stability result 7est passed Conductor cross section short circuit testing 50 mm²	Note	The following values apply to aluminum conductors
Nominal voltage U_N 1000 V Designation Level 2 Note The following values apply to copper wires Maximum load current I_N 150 A (with 50 mm² conductor cross section) 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 Conductor cross section tensile test 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 $U_1 \le 3.2$ mV; $U_2 \le 1.5$ x U_1 Result of temperature-rise test Test passed Short circuit stability result Test passed <t< td=""><td>Maximum load current</td><td>145 A (with 50 mm² conductor cross section)</td></t<>	Maximum load current	145 A (with 50 mm² conductor cross section)
Designation Level 2 Note The following values apply to copper wires Maximum load current 150 A (with 50 mm^2 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 ($5 \times$ conductor connection) $2.5 \text{ mm}^2 / 9.5 \text{ kg}$ Bending test conductor cross section/weight $2.5 \text{ mm}^2 / 9.5 \text{ kg}$ Conductor cross section tensile test 2.5 mm^2 Tractive force setpoint 50 Nm^2 Conductor cross section tensile test 50 mm^2 Tractive force setpoint 236 N Result of tight fit on support Test passed Tight fit on carrier 8.5 mm^2 Setpoint 10 N Requirements, voltage drop 1.5 3.2 mV ; $1.5 \text$	Nominal current I _N	145 A
Note The following values apply to copper wires Maximum load current I _N 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 cross section) Test passed Bending test conductor cross section/weight 2.5 mm² / 0.7 kg Bending test conductor cross section lensile test 2.5 mm² Conductor cross section tensile test 50 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 U₁ ≤ 3.2 mV; U₂ ≤ 1.5 x U₁ Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 50 mm²	Nominal voltage U _N	1000 V
Maximum load current IN 150 A (with 50 mm² conductor cross section) Nominal current IN 150 A Nominal voltage UN 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 Conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 50 N Conductor cross section tensile test 50 mm² Tractive force setpoint 236 N Result of tight fit on support Test passed Stepoint 10 N Requirements, voltage drop U₁ ≤ 3.2 mV; U₂ ≤ 1.5 x U₁ Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 50 mm²	Designation	Level 2
Nominal current IN 150 A Nominal voltage UN 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 Conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 50 N Conductor cross section tensile test 50 m² Tractive force setpoint 236 N Result of tight fit on support Test passed Stepoint 10 N Requirements, voltage drop U₁ ≤ 3.2 mV; U₂ ≤ 1.5 x U₁ Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 50 m²	Note	The following values apply to copper wires
Nominal voltage UN 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 Conductor cross section tensile test 50 mm² / 9.5 kg Conductor cross section tensile test 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 U₁ ≤ 3.2 mV; U₂ ≤ 1.5 x U₁ Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 50 mm²	Maximum load current	150 A (with 50 mm² conductor cross section)
Open side panelNoResult of surge voltage testTest passedSurge voltage test setpoint 8 kV Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points ($5 \times \text{conductor}$ connection)Test passedBending test conductor cross section/weight $2.5 \text{ mm}^2 / 0.7 \text{ kg}$ $50 \text{ mm}^2 / 9.5 \text{ kg}$ $50 \text{ mm}^2 / 9.5 \text{ kg}$ Conductor cross section tensile test 2.5 mm^2 Tractive force setpoint 50 N Conductor cross section tensile test 50 mm^2 Tractive force setpoint 236 N Result of tight fit on supportTest passedTight fit on carrier 85×35 Setpoint 10 N Requirements, voltage drop 10 N Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Nominal current I _N	150 A
Result of surge voltage testTest passedSurge voltage test setpoint8 kVPower frequency withstand voltage setpoint2.2 kVResult of the test for mechanical stability of terminal points ($5 \times conductor$ connection)Test passedBending test conductor cross section/weight $2.5 \text{ mm}^2 / 0.7 \text{ kg}$ Conductor cross section tensile test $50 \text{ mm}^2 / 9.5 \text{ kg}$ Conductor cross section tensile test 50 mm^2 Tractive force setpoint 50 mm^2 Conductor cross section tensile test 50 mm^2 Tractive force setpoint 236 N Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Nominal voltage U _N	1000 V
Surge voltage test setpoint8 kVPower frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points ($5 \times \text{conductor}$ connection)Test passedBending test conductor cross section/weight $2.5 \text{ mm}^2 / 0.7 \text{ kg}$ Conductor cross section tensile test $50 \text{ mm}^2 / 9.5 \text{ kg}$ Conductor cross section tensile test 50 N Conductor cross section tensile test 50 nm^2 Tractive force setpoint 50 nm^2 Result of tight fit on supportTest passedTight fit on carrierNS 35 Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 nm^2	Open side panel	No
Power frequency withstand voltage setpoint $2.2 \mathrm{kV}$ Result of the test for mechanical stability of terminal points ($5 \times \mathrm{conductor}$ connection)Test passedBending test conductor cross section/weight $2.5 \mathrm{mm^2} / 0.7 \mathrm{kg}$ Conductor cross section tensile test $50 \mathrm{mm^2} / 9.5 \mathrm{kg}$ Conductor cross section tensile test $50 \mathrm{mm^2}$ Tractive force setpoint $50 \mathrm{mm^2}$ Conductor cross section tensile test $50 \mathrm{mm^2}$ Tractive force setpoint $236 \mathrm{N}$ Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint $10 \mathrm{N}$ Requirements, voltage drop $U_1 \le 3.2 \mathrm{mV}$; $U_2 \le 1.5 \mathrm{x} \mathrm{U}_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing $50 \mathrm{mm^2}$	Result of surge voltage test	Test passed
Result of the test for mechanical stability of terminal points ($5 \times conductor$ connection)Test passedBending test conductor cross section/weight $2.5 \text{ mm}^2 / 0.7 \text{ kg}$ Conductor cross section tensile test $50 \text{ mm}^2 / 9.5 \text{ kg}$ Conductor cross section tensile test 50 N Conductor cross section tensile test 50 mm^2 Tractive force setpoint 236 N Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}; U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Surge voltage test setpoint	8 kV
connection)Test passedBending test conductor cross section/weight $2.5 \text{ mm}^2 / 0.7 \text{ kg}$ Conductor cross section tensile test $50 \text{ mm}^2 / 9.5 \text{ kg}$ Conductor cross section tensile test 50 N Conductor cross section tensile test 50 mm^2 Tractive force setpoint 236 N Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \text{ x } U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Power frequency withstand voltage setpoint	2.2 kV
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Test passed
Conductor cross section tensile test 2.5 mm^2 Tractive force setpoint 50 N Conductor cross section tensile test 50 mm^2 Tractive force setpoint 236 N Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Bending test conductor cross section/weight	2.5 mm² / 0.7 kg
Tractive force setpoint 50 N Conductor cross section tensile test 50 mm^2 Tractive force setpoint 236 N Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \text{ x } U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2		50 mm² / 9.5 kg
Conductor cross section tensile test 50 mm^2 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 $U_1 \le 3.2 \text{ mV}; U_2 \le 1.5 \text{ x } U_1$ Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 50 mm^2	Conductor cross section tensile test	2.5 mm ²
Tractive force setpoint 236 N Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Tractive force setpoint	50 N
Result of tight fit on supportTest passedTight fit on carrierNS 35Setpoint 10 N Requirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Conductor cross section tensile test	50 mm ²
Tight fit on carrierNS 35Setpoint10 NRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Tractive force setpoint	236 N
Setpoint10 NRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \text{ x } U_1$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 50 mm^2	Result of tight fit on support	Test passed
Requirements, voltage drop $ U_1 \le 3.2 \text{ mV}; \ U_2 \le 1.5 \text{ x } U_1 $ Result of temperature-rise test $ Test \text{ passed} $ Short circuit stability result $ Test \text{ passed} $ Conductor cross section short circuit testing $ 50 \text{ mm}^2 $	Tight fit on carrier	NS 35
Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 50 mm²	Setpoint	10 N
Short circuit stability result Conductor cross section short circuit testing 50 mm²	Requirements, voltage drop	$U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \text{ x } U_1$
Conductor cross section short circuit testing 50 mm ²	Result of temperature-rise test	Test passed
· ·	Short circuit stability result	Test passed
Short-time current 6 kA	Conductor cross section short circuit testing	50 mm²
	Short-time current	6 kA



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



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



Classifications

ETIM

ETIM 7.0	EC000897
LINSPSC	

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



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



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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

- Maintenance-free terminal points that are greased beforehand simplify the connection of aluminum conductors



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

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



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



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

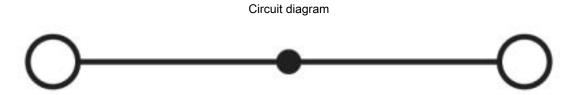
Standards and Regulations

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





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



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



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

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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

- Maintenance-free terminal points that are greased beforehand simplify the connection of aluminum conductors



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

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



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 mm ²
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



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 mm ²
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







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

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Ex Approvals

Approval details



Approvals

UL Recognized



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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



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

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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



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

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



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 mm ²
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 mm ²
Conductor cross section flexible max.	240 mm²
Note	The values for aluminum conductors relate to multi-stranded conductors in accordance with EN 60228.



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 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	185 mm²
2 conductors with same cross section, stranded min.	35 mm ²
2 conductors with same cross section, stranded max.	70 mm ²

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



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



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



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

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