

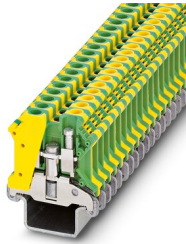
Ground modular terminal block - USLKG 6 N-1



0444048

<https://www.phoenixcontact.com/gb/products/0444048>

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Ground modular terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, cross section: 0.2 mm² - 10 mm², mounting: PE foot with mounting screw, M4, mounting type: NS 35/15-2,3, color: green-yellow

Commercial Data

Item number	0444048
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE1221
Product Key	BE1221
Catalog Page	Page 463 (C-1-2019)
GTIN	4017918155223
Weight per Piece (including packing)	28.9 g
Weight per Piece (excluding packing)	28.058 g
Customs tariff number	85369010
Country of origin	DE

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Technical Data

Product properties

Product type	Ground terminal block
Number of positions	1
Number of connections	2
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	6 mm ²

Level 1 above 1 below 1

Screw thread	M4
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Conductor cross section solid	0.2 mm ² ... 10 mm ²
Cross section AWG	24 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.25 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 6 mm ²

Ex data

Rated data (ATEX/IECEx)

ATEX certificate	KEMA 96 ATEX 4370 U
IEC Ex certificate	IECEx KEM 06.0035 U
Identification	□ II 2 GD Ex eb IIC
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1205066 SZS 1,0X4,0 VDE 1201442 E/UK
Torque range for PE foot	1.5 Nm ... 1.8 Nm

Ex connection data General

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Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	6 mm ²
Rated cross section AWG	10
Connection capacity rigid	0.2 mm ² ... 10 mm ²
Connection capacity AWG	24 ... 8
Connection capacity flexible	0.2 mm ² ... 6 mm ²
Connection capacity AWG	24 ... 10

Dimensions

Width	8.2 mm
Height NS 35/15	54.5 mm
Height NS 35/7,5	47 mm
Height	1.85 "
Height NS 32	52 mm
Length	42.5 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

General

Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)
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Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI)
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	Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
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Mounting

Mounting type	NS 35/15-2,3
Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)

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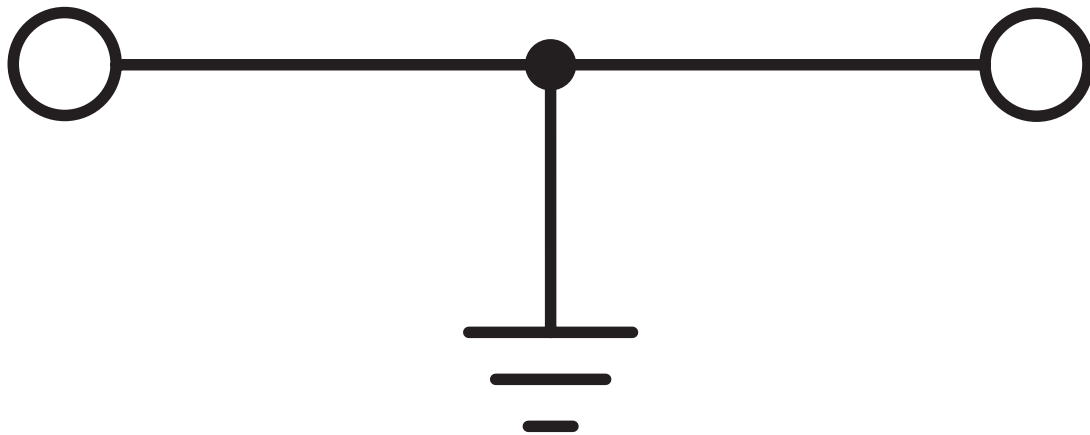


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Drawings

Circuit diagram



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Approvals



EAC

Approval ID: RU C-DE.BL08.B.00534



cULus Recognized

Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B			24 - 8	-
Clamping screw			-	-
Use group C			24 - 8	-
Clamping screw			-	-



ATEX

Approval ID: KEMA 96ATEX4370 U



EAC Ex

Approval ID: RU C-DE.HA91.B.00066



IECEX

Approval ID: IECEX KEM 06.0035U



CCC

Approval ID: 2020322313000623



NEPSI

Approval ID: GYJ20.1195U

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Classifications

ECLASS

ECLASS-9.0	27141141
ECLASS-10.0.1	27141141
ECLASS-11.0	27141141

ETIM

ETIM 8.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

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

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Accessories

Marker card

Marker card - SBS 8:UNBEDRUCKT - 1007235

<https://www.phoenixcontact.com/gb/products/1007235>



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: snap into tall marker groove, snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 6 x 8.1 mm

Marker pen

Marker pen - X-PEN 0,35 - 0811228

<https://www.phoenixcontact.com/gb/products/0811228>



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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Screwdriver

Screwdriver - SZS 1,0X4,0 VDE - 1205066

<https://www.phoenixcontact.com/gb/products/1205066>



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

DIN rail, unperforated

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM-VPE 10 - 1201798

<https://www.phoenixcontact.com/gb/products/1201798>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver, Pack of 10 (20 m)

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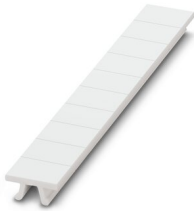
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Zack marker strip

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002

<https://www.phoenixcontact.com/gb/products/1052002>

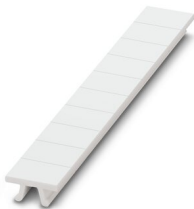


Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Zack marker strip

Zack marker strip - ZB 8 CUS - 0825011

<https://www.phoenixcontact.com/gb/products/0825011>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

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Marker for terminal blocks

Marker for terminal blocks - UC-TM 8 - 0818072

<https://www.phoenixcontact.com/gb/products/0818072>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

Marker for terminal blocks

Marker for terminal blocks - UC-TM 8 CUS - 0824597

<https://www.phoenixcontact.com/gb/products/0824597>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, 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: 56

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Marker for terminal blocks

Marker for terminal blocks - UCT-TM 8 - 0828740

<https://www.phoenixcontact.com/gb/products/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: snapped, 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

Marker for terminal blocks - UCT-TM 8 CUS - 0829616

<https://www.phoenixcontact.com/gb/products/0829616>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, 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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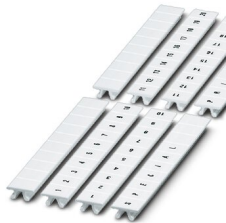
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Marker for terminal blocks

Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413

<https://www.phoenixcontact.com/gb/products/1052413>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

End clamp

End clamp - E/UK - 1201442

<https://www.phoenixcontact.com/gb/products/1201442>



End clamp, material: PA, color: gray, Mounting on a DIN rail NS 32 or NS 35

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End clamp

End clamp - E/UK 1 - 1201413

<https://www.phoenixcontact.com/gb/products/1201413>



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

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