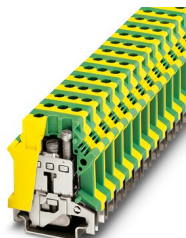


Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

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Ground modular terminal block, When aligning with a feed-through terminal block with the same shape, an end cover must be interposed with insulation voltages of > 690 V, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 16 mm^2 , cross section: $2.5 \text{ mm}^2 - 25 \text{ mm}^2$, mounting: PE foot with mounting screw, M4, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Ground modular terminal block - USLKG 16 N



0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

Commercial Data

Item number	0443023
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklennen
Product Key	BE1221
Catalog Page	Page 465 (C-1-2019)
GTIN	4017918002268
Weight per Piece (including packing)	39,06 g
Weight per Piece (excluding packing)	37,638 g
Customs tariff number	85369010
Country of origin	DE

Ground modular terminal block - USLKG 16 N



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Technical Data

Notes

General	When aligning with a feed-through terminal block with the same shape, an end cover must be interposed with insulation voltages of > 690 V
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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	2.43 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	16 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	11 mm
Conductor cross section solid	2.5 mm ² ... 25 mm ²
Cross section AWG	12 ... 4
Conductor cross section flexible	4 mm ² ... 16 mm ²
Conductor cross section, flexible [AWG]	12 ... 6
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	1.5 mm ² ... 16 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm ² ... 16 mm ²
Nominal cross section	16 mm ²

Ex data

Rated data (ATEX/IECEx)

ATEX certificate	KEMA 99 ATEX 4487 U
IEC Ex certificate	IECEX KEM 06.0035 U
Identification	□ II 2 GD Ex eb IIC Gb

Ground modular terminal block - USLKG 16 N



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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

Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	16 mm ²
Rated cross section AWG	6
Connection capacity rigid	2.5 mm ² ... 25 mm ²
Connection capacity AWG	14 ... 4
Connection capacity flexible	4 mm ² ... 16 mm ²
Connection capacity AWG	12 ... 6

Dimensions

Width	12.2 mm
Height	52.6 mm
Height NS 35/15	61.5 mm
Height NS 35/7,5	54 mm
Height	2.126 "
Height NS 32	59 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))	130 °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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Ground modular terminal block - USLKG 16 N



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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 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 35/7,5
	NS 35/15
	NS 32
Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)

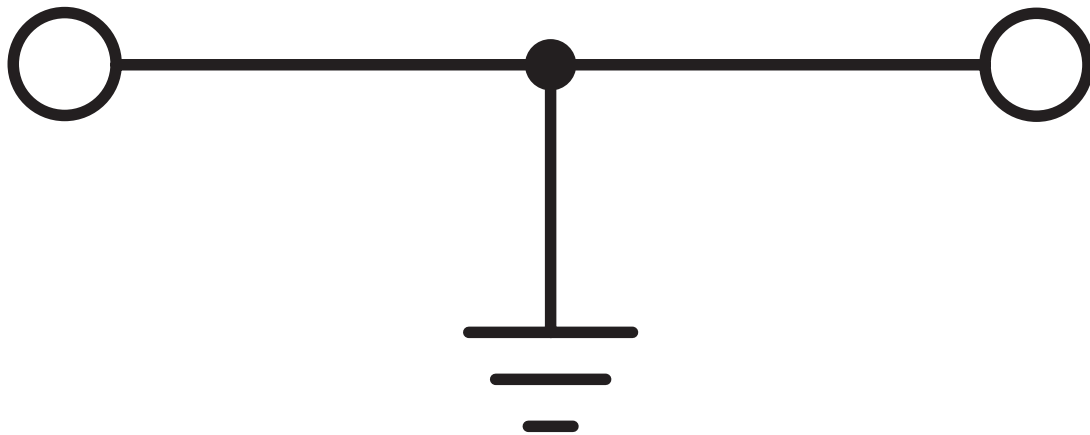
Ground modular terminal block - USLKG 16 N

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Drawings

Circuit diagram



Ground modular terminal block - USLKG 16 N



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Approvals

DNV Approval ID: TAE00001CT				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			22 - 4	-

cULus Recognized Approval ID: E60425				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B			14 - 4	-
Clamping screw			-	-
Use group C			14 - 4	-
Clamping screw			-	-

LR Approval ID: LR2041789TA				
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KR Approval ID: HMB17372-EL001				
--	--	--	--	--

ClassNK NK Approval ID: 09 ME 141				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

RS Approval ID: 17.00013.272				
--	--	--	--	--

ATEX Approval ID: KEMA99ATEX4487U				
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Ground modular terminal block - USLKG 16 N



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cUL Recognized
Approval ID: E192998

Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
		22 - 4	-



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



IEC Ex
Approval ID: IECExKEM06.0035U



UL Recognized
Approval ID: E192998

Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
		22 - 4	-



CCC
Approval ID: 2020322313000623



NEPSI
Approval ID: GYJ20.1195U

cULus Recognized

Ground modular terminal block - USLKG 16 N



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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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Ground modular terminal block - USLKG 16 N



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Environmental Product Compliance

REACH SVHC	4-Nonylphenol, branched and linear
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Ground modular terminal block - USLKG 16 N

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<https://www.phoenixcontact.com/de/produkte/0443023>

Accessories

DIN rail perforated

DIN rail perforated - NS 32 PERF 2000MM-VPE 10 - 1201002

<https://www.phoenixcontact.com/de/produkte/1201002>



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

DIN rail, unperforated

DIN rail, unperforated - NS 32 UNPERF 2000MM-VPE 10 - 1201015

<https://www.phoenixcontact.com/de/produkte/1201015>



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

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail perforated

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

<https://www.phoenixcontact.com/de/produkte/0801733>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

<https://www.phoenixcontact.com/de/produkte/0801681>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail perforated

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119

<https://www.phoenixcontact.com/de/produkte/1204119>



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

<https://www.phoenixcontact.com/de/produkte/1204122>



DIN rail, unperforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704

<https://www.phoenixcontact.com/de/produkte/0801704>



DIN rail, unperforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail perforated

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421

<https://www.phoenixcontact.com/de/produkte/1206421>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

<https://www.phoenixcontact.com/de/produkte/1206434>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

<https://www.phoenixcontact.com/de/produkte/0801762>



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

End cap

End cap - NS 35/ 7,5 CAP - 1206560

<https://www.phoenixcontact.com/de/produkte/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



DIN rail perforated

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730

<https://www.phoenixcontact.com/de/produkte/1201730>



DIN rail perforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail, unperforated

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714

<https://www.phoenixcontact.com/de/produkte/1201714>



DIN rail, unperforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail perforated

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602

<https://www.phoenixcontact.com/de/produkte/0806602>



DIN rail perforated, similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white, Pack of 25 (50 m)

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail, unperforated

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM-VPE 10 - 1204135

<https://www.phoenixcontact.com/de/produkte/1204135>



DIN rail, unperforated, similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756

<https://www.phoenixcontact.com/de/produkte/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail perforated

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599

<https://www.phoenixcontact.com/de/produkte/1206599>



DIN rail perforated, similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586

<https://www.phoenixcontact.com/de/produkte/1206586>



DIN rail, unperforated, similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

DIN rail, unperforated

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM-VPE 10 - 1201895

<https://www.phoenixcontact.com/de/produkte/1201895>



DIN rail, unperforated, similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

End cap

End cap - NS 35/15 CAP - 1206573

<https://www.phoenixcontact.com/de/produkte/1206573>

DIN rail end piece, for DIN rail NS 35/15



Ground modular terminal block - USLKG 16 N

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<https://www.phoenixcontact.com/de/produkte/0443023>

Zack marker strip

Zack marker strip - ZB 12:UNPRINTED - 0812120

<https://www.phoenixcontact.com/de/produkte/0812120>

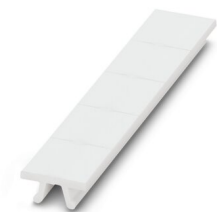


Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 12.2 mm, lettering field size: 12 x 10.5 mm, Number of individual labels: 5

Zack marker strip

Zack marker strip - ZB 12 CUS - 0824942

<https://www.phoenixcontact.com/de/produkte/0824942>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 12.2 mm, lettering field size: 10.5 x 12.15 mm, Number of individual labels: 5

Ground modular terminal block - USLKG 16 N

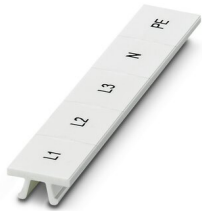
0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

Zack marker strip

Zack marker strip - ZB 12,LGS:L1-N,PE - 0812146

<https://www.phoenixcontact.com/de/produkte/0812146>



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 12.2 mm, lettering field size: 10.5 x 12.15 mm, Number of individual labels: 5

Marker for terminal blocks

Marker for terminal blocks - UC-TM 12 - 0819194

<https://www.phoenixcontact.com/de/produkte/0819194>



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: 12 mm, lettering field size: 11.45 x 10.5 mm, Number of individual labels: 40

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

Marker for terminal blocks

Marker for terminal blocks - UC-TM 12 CUS - 0824613

<https://www.phoenixcontact.com/de/produkte/0824613>



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: 12 mm, lettering field size: 11.45 x 10.5 mm, Number of individual labels: 40

Marker for terminal blocks

Marker for terminal blocks - UCT-TM 12 - 0829144

<https://www.phoenixcontact.com/de/produkte/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: snapped, for terminal block width: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

Ground modular terminal block - USLKG 16 N

0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

Marker for terminal blocks

Marker for terminal blocks - UCT-TM 12 CUS - 0829630

<https://www.phoenixcontact.com/de/produkte/0829630>



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

End clamp

End clamp - E/UK - 1201442

<https://www.phoenixcontact.com/de/produkte/1201442>



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

Ground modular terminal block - USLKG 16 N



0443023

<https://www.phoenixcontact.com/de/produkte/0443023>

End clamp

End clamp - E/UK 1 - 1201413

<https://www.phoenixcontact.com/de/produkte/1201413>



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

DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/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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