

Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 5-pos. version of the product

Why buy this product

- ✓ Compact high-capacity PCB terminal blocks with screw connection up to 16 mm², stranded, and a current carrying capacity of 76 A
- ✓ 10.16 mm pitch
- ✓ Unlimited 600 V UL approval thanks to zigzag pinning
- ✓ Terminal block bases that can be mounted side by side to create any number of positions



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 373 (CC-2011)
GTIN	 4 046356 074186
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

Dimensions / positions

Length	18.8 mm
Height	31 mm
Pitch	10.16 mm
Dimension a	30.48 mm
Number of positions	4
Pin dimensions	1 x 0,9 mm
Hole diameter	1.5 mm
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Technical data

Technical data

Range of articles	MKDS 10 HV
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV
Rated voltage (III/3)	800 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	76 A
Nominal cross section	10 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 6
Stripping length	10 mm
Nominal voltage, UL/CUL Use Group B	600 V
Nominal current, UL/CUL Use Group B	60 A
Nominal voltage, UL/CUL Use Group C	600 V
Nominal current, UL/CUL Use Group C	60 A

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	16 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²

Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	6

Classifications

eclass

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401

etim

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

unspsc

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals

Approvals

UL Recognized / SEV / cUL Recognized / IECCE CB Scheme / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Approvals

UL Recognized 		
	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current I _N	60 A	60 A
Nominal voltage U _N	600 V	600 V

SEV	
mm²/AWG/kcmil	16
Nominal voltage U _N	800 V

cUL Recognized 		
	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current I _N	60 A	60 A
Nominal voltage U _N	600 V	600 V

IECEE CB Scheme

GOST 
--

cULus Recognized 
--

Accessories

Accessories

Tools

Screwdriver - SZS 0,6X3,5 - 1205053

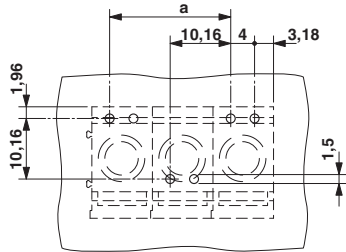


Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

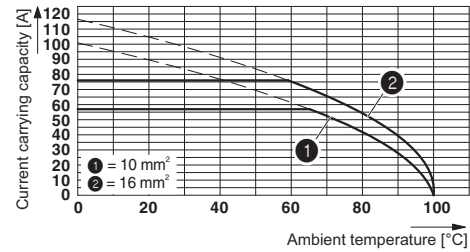
Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Drawings

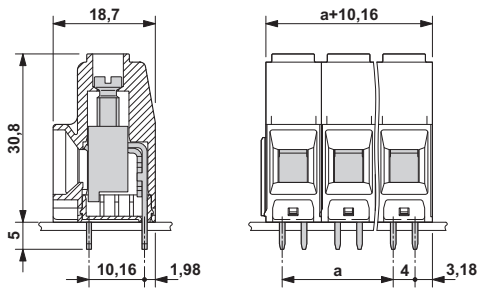
Drilling diagram



Diagram



Dimensioned drawing



The illustration shows the dimensional drawing of the 3-pos. version of the product



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.