

# DK-BIC-35 - Feed-through terminal block



2749880

<https://www.phoenixcontact.com/us/products/2749880>

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Feed-through terminal block for VAL and FLT applications



## Your advantages

- Biconnect feed-through terminal block
- For wiring mixed combinations of lightning and surge arresters
- As a system extension for FLASHTRAB and VALVETRAB applications

## Commercial data

Item number	2749880
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL18
Product key	CL132Z
GTIN	4017918108212
Weight per piece (including packing)	90.8 g
Weight per piece (excluding packing)	71.43 g
Customs tariff number	85363010
Country of origin	IN

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## Technical data

### Notes

#### General

Note	The nominal cross section for rated load current is 35 mm <sup>2</sup> .
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### Product properties

Product type	Feed-through terminal block
Type	DIN rail module, one-piece
Number of connections	2
Number of rows	1

#### Insulation characteristics

Overvoltage category	III
Pollution degree	2

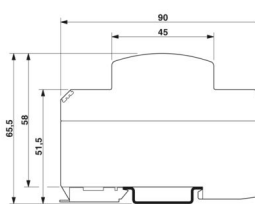
### Electrical properties

Rated voltage (III/3)	500 V AC/DC
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### Connection data

Connection method	Screw connection
Screw thread	M5
Tightening torque	... 4.5 Nm
Stripping length	14.5 mm
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Cross section AWG	20 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Nominal cross section	25 mm <sup>2</sup>
Nominal current	125 A (30 °C)
Nominal voltage	500 V AC 500 V DC

### Dimensions

Dimensional drawing	
Width	17.7 mm
Height	89.8 mm
Depth	65.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

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## Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V-0
Housing material	PA 6.6-FR

## Mechanical properties

### Mechanical data

Open side panel	No
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## Protective circuit

Maximum continuous operating voltage $U_C$	500 V AC
	500 V DC
Impulse discharge current (10/350) $\mu$ s, charge	50 As
Impulse discharge current (10/350) $\mu$ s, specific energy	2.5 MJ/ $\Omega$
Impulse discharge current (10/350) $\mu$ s, peak value $I_{imp}$	100 kA

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN VDE 0110-1 / IEC 60664-1
Standards/specifications	EN 60947-7-1
Note	2009
Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012

## Mounting

Mounting type	DIN rail: 35 mm
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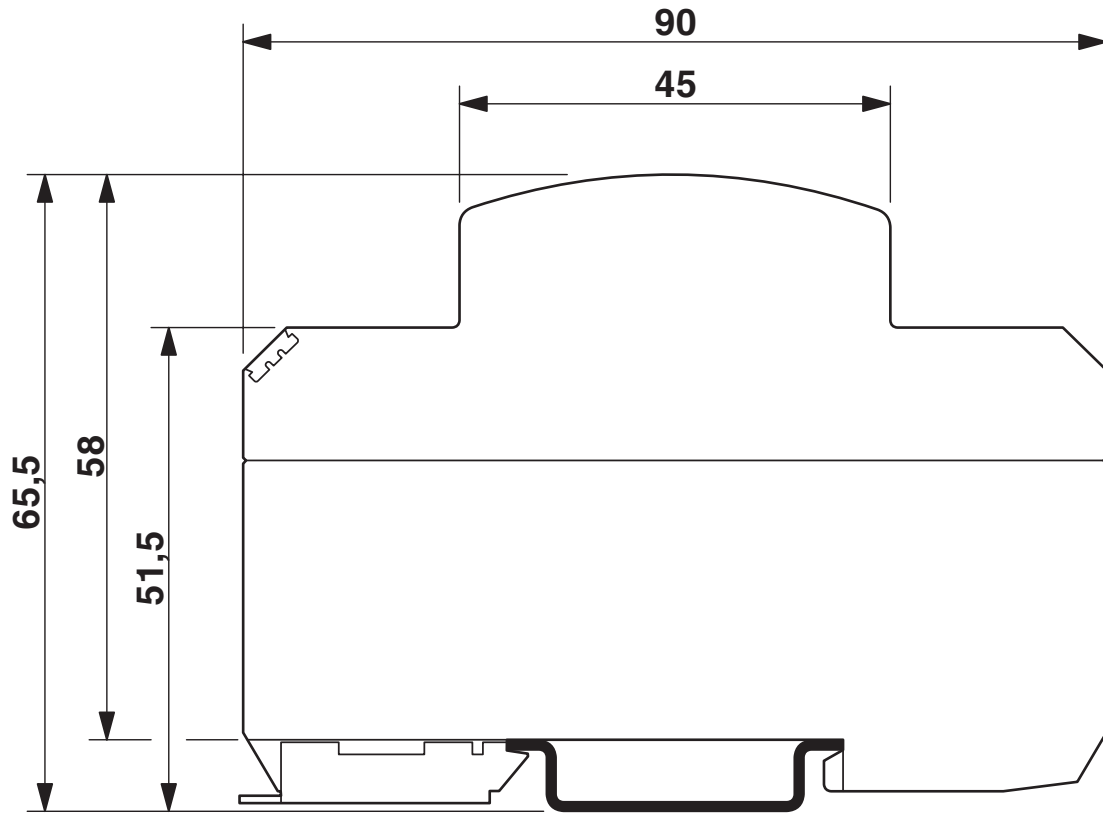


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## Drawings

Dimensional drawing



Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

### ETIM

ETIM 10.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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