

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



Commercial data

Item number	2749880
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL18
Product key	CL132Z
Catalog page	Page 100 (C-4-2019)
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 mm².

Product properties

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

Insulation characteristics		
Overvoltage category		III
Pollution degree		2

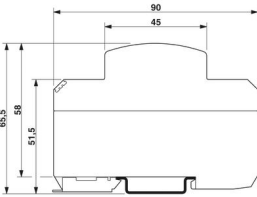
Electrical properties

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

Screw thread	M5
Tightening torque	... 4.5 Nm
Stripping length	14.5 mm
Conductor cross section rigid	0.5 mm² ... 35 mm²
Cross section AWG	20 ... 2 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 25 mm²
Nominal current	125 A (30 °C)
Nominal voltage	500 V AC
	500 V DC
Nominal cross section	25 mm²

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 voltage U_C	500 V AC
	500 V DC
Impulse discharge current (10/350) μ s, charge	50 As
Impulse discharge current (10/350) μ s, specific energy	2.5 MJ/ Ω
Impulse discharge current (10/350) μ 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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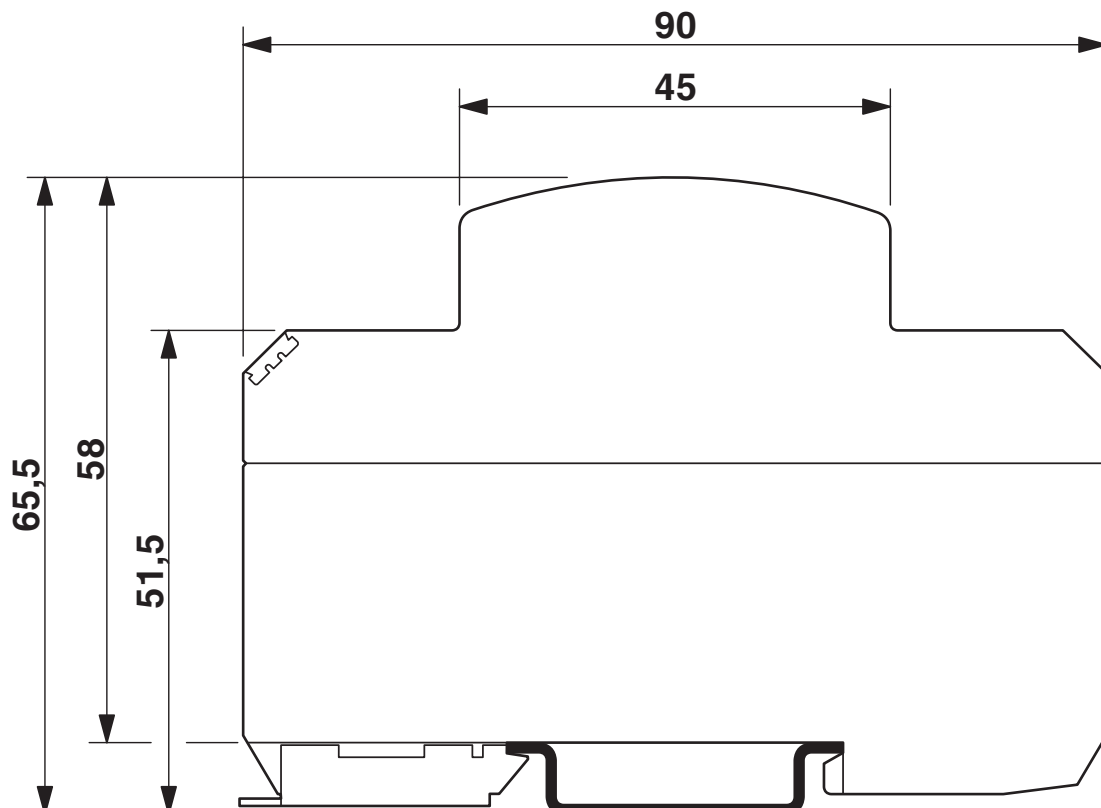


Drawings

Circuit diagram



Dimensional drawing



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Approvals

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EAC

Approval ID: RU C-DE.*09.B.00169

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Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897
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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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