PHŒNIX CONTACT

Panel feed-through terminal block - TW 50/ 4-CL - 1708748

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Panel feed-through terminal block, connection method: T-LOX knee lever connection, Cable lug connection, number of positions: 4, load current: 150 A, cross section: 10 mm² - 50 mm², width: 98 mm, color: gray

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

Why buy this product

☑ Lever actuation enables time-saving and smooth connection of large conductors

☑ Defined contact force ensures that contact remains stable over the long term

☑ 90° open clamping space allows the conductor to be conveniently swiveled

☑ Quick, tool-free mounting on the housing wall using a fixing wedge

RoHS | **1000 V** IEC | **50 mm²**

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	5 STK
GTIN	4 055626 020341
GTIN	4055626020341
Weight per Piece (excluding packing)	520.000 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	50 mm²
Color	gray

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Technical data

General

Insulating material	PA
Flammability rating according to UL 94	V0
Insulating material group	I
Nominal current I_N	150 A
Maximum load current	150 A
Nominal voltage U_N	1000 V
Number of positions	4

Dimensions

Width	98 mm
Pitch	20 mm
Plate thickness	1 mm ... 5 mm

Connection data

Connection side	outside
Connection method	T-LOX knee lever connection
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Conductor cross section solid min.	10 mm²
Conductor cross section solid max.	50 mm²
Conductor cross section flexible min.	16 mm²
Conductor cross section flexible max.	50 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	10 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	10 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	16 mm²
Connection side	inside
Connection method	Cable lug connection

Standards and Regulations

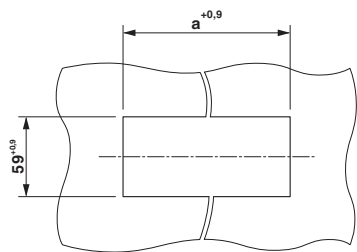| Flammability rating according to UL 94	V0

Environmental Product Compliance

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

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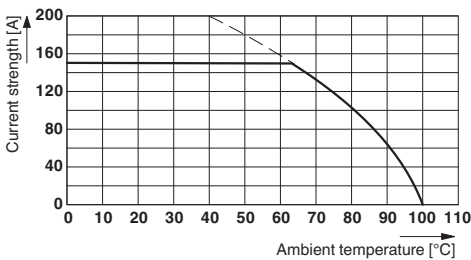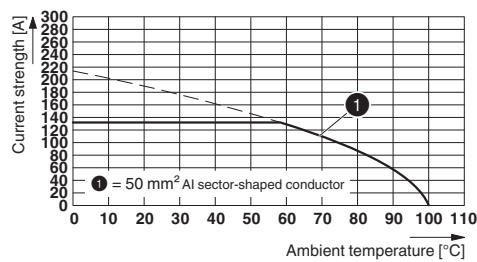
Drawings

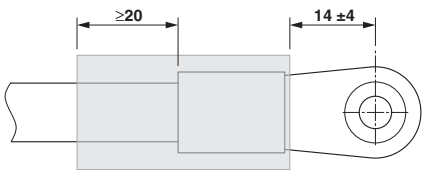### Drilling diagram

Dimension a = 89 mm

Diagram

Type: TW 50/...-CL

Diagram

Type: TW 50/...-CL

Dimensional drawing

Electric strength > 19.7 kV/mm (IEC243), min. Wall thickness, fully shrunk ≥ 0.5 mm

Classifications

eCl@ss

eCl@ss 5.1	27141134
eCl@ss 6.0	27141134
eCl@ss 8.0	27141134
eCl@ss 9.0	27141134

ETIM

ETIM 5.0	EC001283
ETIM 6.0	EC001283

UNSPSC

UNSPSC 13.2	39121410

Approvals

Approvals

Panel feed-through terminal block - TW 50/ 4-CL - 1708748

Approvals

Approvals

EAC / cULus Recognized / VDE approval of drawings

Ex Approvals

Approval details

EAC	EAC	B.01742

cULus Recognized	US	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20160914

	C
mm²/AWG/kcmil	8-1/0
Nominal current IN	150 A
Nominal voltage UN	600 V

VDE approval of drawings	VDE	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40045667

mm²/AWG/kcmil	10-50
Nominal current IN	150 A
Nominal voltage UN	1000 V

Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX 25R - 1212039

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 10 mm² ... 25 mm², lateral entry, WM crimp

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Accessories

Crimping pliers - CRIMPFOX 50R - 1212041

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 35 mm² ... 50 mm², lateral entry, WM crimp

Labeled terminal marker

Zack Marker strip, flat - ZBF 15 CUS - 0825019

Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 15 mm, lettering field size: 5.15 x 15.1 mm

Marker for terminal blocks - ZB 15,LGS:L1-N,PE - 0811998

Marker for terminal blocks, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm

Zack marker strip - ZB 15 CUS - 0824945

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm

Screwdriver tools

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Accessories

Philips screwdriver - SZK PZ2 VDE - 1206463

Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Zack Marker strip, flat - ZBF 15:UNBEDRUCKT - 0811202

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into flat marker groove, for terminal block width: 15 mm, lettering field size: 15 x 5.2 mm

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972

Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm