Panel feed-through terminal block - TW 95/ 2-CL - 1708753

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

Panel feed-through terminal block, Cable lug connection, number of positions: 2, load current: 232 A, connection direction of the conductor to plug-in direction: 0 °, width: 71 mm, color: gray

Your advantages

- 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

Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	4 055626 020389
GTIN	4055626020389

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	TW 95/.. -CL
Number of positions	2
Connection method	T-LOX knee lever connection
Number of connections	4
Number of potentials	2

Electrical parameters

Nominal current	232 A
Nom. voltage	1000 V
Rated voltage	1000 V

Panel feed-through terminal block - TW 95/ 2-CL - 1708753

Technical data

Connection capacity, external

Connection direction of the conductor to plug-in direction	0 °
Single-conductor/terminal point multi-stranded	25 mm² ... 95 mm²
Conductor cross section flexible	25 mm² ... 95 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	25 mm² ... 95 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	25 mm² ... 95 mm²
Stripping length	25 mm

Connection capacity, internal

Connection method	Cable lug connection
Connection direction of the conductor to plug-in direction	0 °
Cable lug connection according to standard	DIN 46234:1980-03 8.4 mm 24 mm M8 12 Nm 15 Nm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	tin-plated

Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

Caption	Electric strength > 19.7 kV/mm (IEC243), min. Wall thickness, fully shrunk ≥ 0.5 mm
Length [l]	120.05 mm
Width [w]	71 mm
Height [h]	81.8 mm
Pitch	25 mm

Dimensions for mounting cutout

Caption	Dimension a = 61 mm

Packaging information

Pieces per package	10
Denomination packing units	Pcs.

General product information

Type of note	Notes on safety

Panel feed-through terminal block - TW 95/ 2-CL - 1708753

Technical data

General product information

Note	The cable entry funnel is not touch-proof. Never connect or disconnect the terminal when it is energized. Take appropriate steps to ensure touch proofness.

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (Depending on the current carrying capacity/derating curve)

Electrical tests

Rated current	232 A
Conductor cross section	95 mm²

Air clearances and creepage distances

Clearances and creepage distances	IEC 60947-1:2007-06 + A1:2010-12
Specification	IEC 60947-1:2007-06 + A1:2010-12
Minimum clearance - inhomogeneous field (III/3)	8 mm
Minimum clearance - inhomogeneous field (III/2)	8 mm
Minimum clearance - inhomogeneous field (II/2)	5.5 mm
Minimum creepage distance value (III/3)	12.5 mm
Minimum creepage distance value (III/2)	8 mm
Minimum creepage distance value (II/2)	5.5 mm

Current carrying capacity / derating curves

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0
Safety note	• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	• The cable entry funnel is not safe to touch. Never connect or disconnect the terminal when it is energized. Take appropriate steps to ensure touch protection.

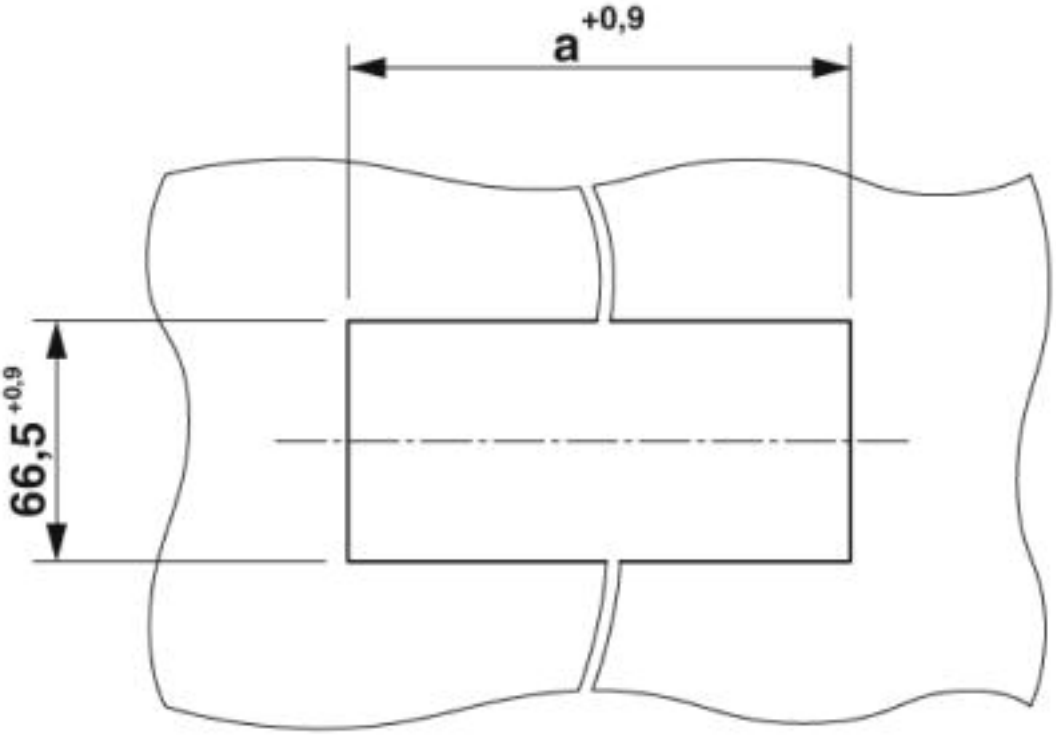
Environmental Product Compliance

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

Drawings

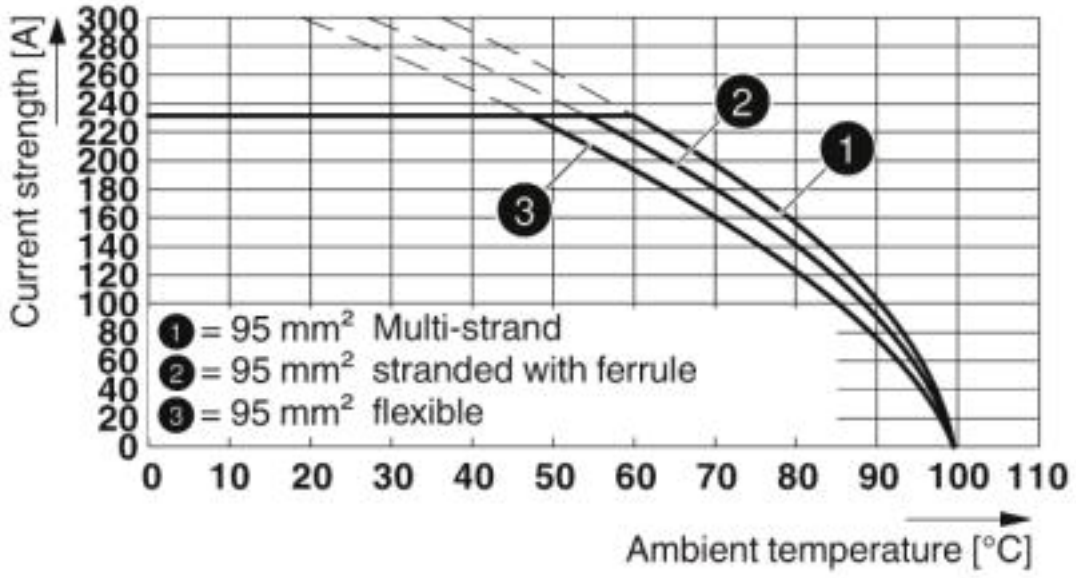
Panel feed-through terminal block - TW 95/ 2-CL - 1708753

Drilling diagram



Dimension a = 61 mm

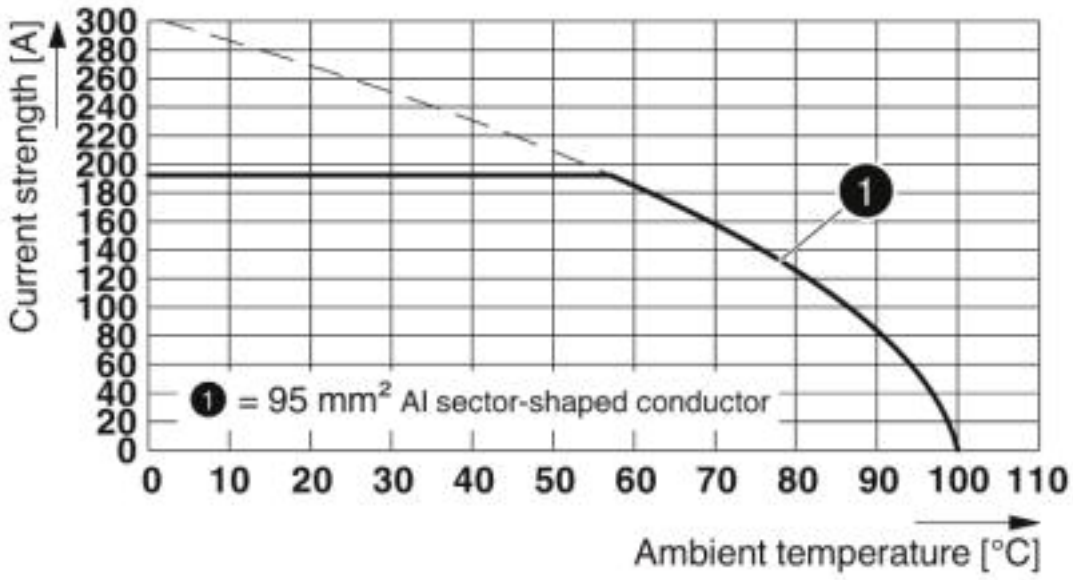
Diagram



Type: TW 95/...-CL

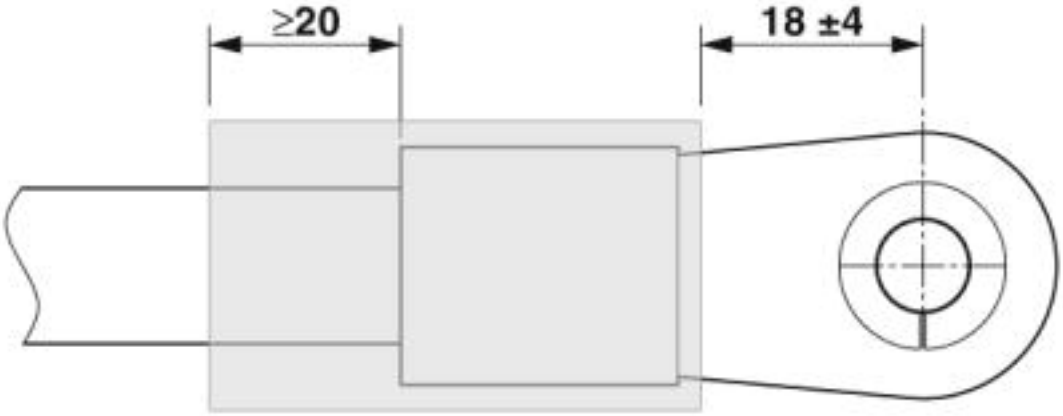
Panel feed-through terminal block - TW 95/ 2-CL - 1708753

Diagram



Type: TW 95/...-CL

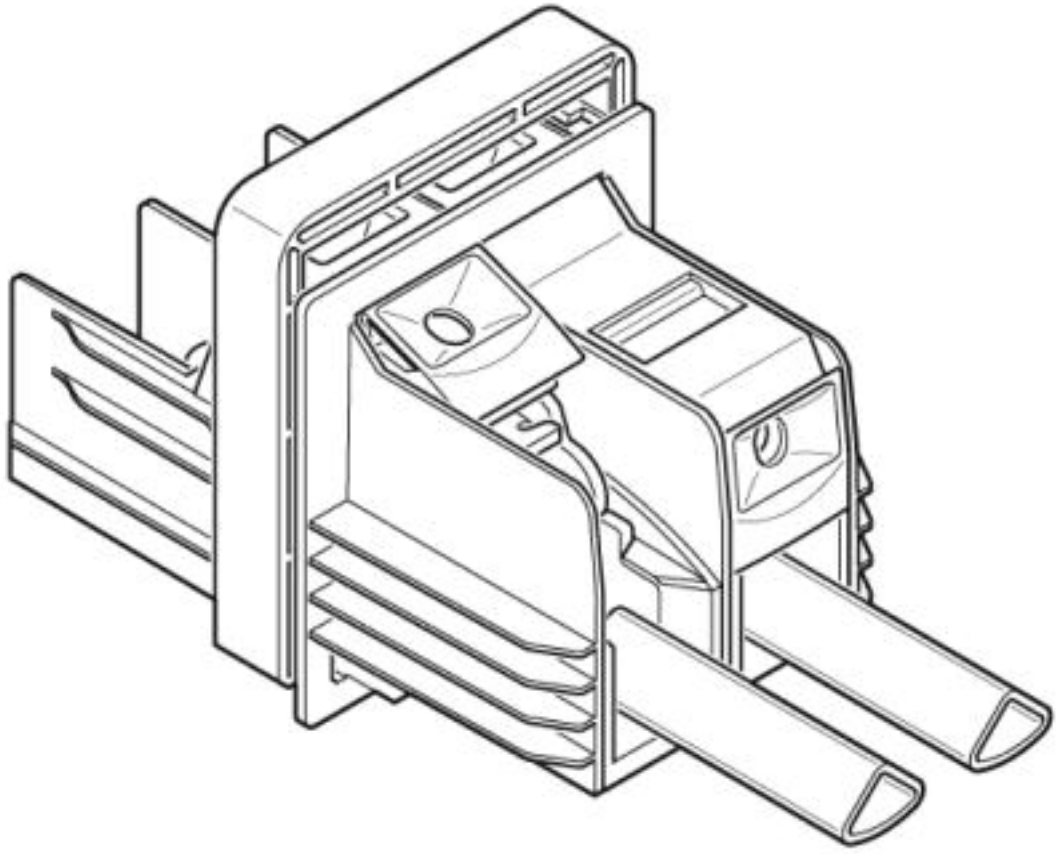
Dimensional drawing



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

Panel feed-through terminal block - TW 95/ 2-CL - 1708753

Schematic diagram



Example drawing for insertion position of single-stranded, sector-shaped aluminum conductors

Classifications

eCl@ss

eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141134
eCl@ss 8.0	27141134
eCl@ss 9.0	27141134

ETIM

ETIM 5.0	EC001283
ETIM 6.0	EC001283
ETIM 7.0	EC001283

UNSPSC

UNSPSC 13.2	39121410

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Classifications

UNSPSC

UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

VDE Zeichengenehmigung / cULus Recognized / EAC

Ex Approvals

Approval details

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

Nominal voltage UN	1000 V
Nominal current IN	232 A
mm²/AWG/kcmil	25-95

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

	C
Nominal voltage UN	600 V
Nominal current IN	200 A
mm²/AWG/kcmil	4

EAC		B.01687

Accessories

Accessories

Labeled terminal marker

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Accessories

Zack Marker strip, flat - ZBF 19,7 CUS - 0825021

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: 19.7 mm, lettering field size: 5.15 x 19.7 mm, Number of individual labels: 5

Zack marker strip - ZB 18,LGS:L1-N,PE - 0811846

Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 10.5 x 17.4 mm, Number of individual labels: 5

Zack marker strip - ZB 18 CUS - 0824947

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 10.5 x 17.4 mm, Number of individual labels: 5

Screwdriver tools

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 strips off the roll, flat - ZBF 19,7:UNBEDRUCKT - 0810627

Zack marker strips off the roll, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 19.7 mm, lettering field size: 19.7 x 5.2 mm, Number of individual labels: 5

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Accessories

Zack marker strip - ZB 18:UNBEDRUCKT - 0811833

Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 10.5 x 17.4 mm, Number of individual labels: 5

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