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Panel feed-through terminal block - UWV 95-F/S - 1713227

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The figure shows a version of the product

Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Screw connection with tension sleeve, number of positions: 1, load current: 232 A, connection direction of the conductor to plug-in direction: -90 °, width: 25 mm, color: gray. Outer terminal half with screw flange

Your advantages

☑ Well-known connection principle allows worldwide use

☑ Low temperature rise, thanks to maximum contact force

☑ Tool-free snap-in principle enables easy mounting on the device panel

☑ Automatic panel thickness compensation enables universal use

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	4 055626 309606
GTIN	4055626309606
Custom tariff number	85369010
Country of origin	China

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	UWV 95
Pitch	25 mm
Number of positions	1
Connection method	Screw connection with tension sleeve

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Technical data

Item properties

Number of connections	2
Number of potentials	1

Electrical parameters

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

Connection capacity, external

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	-90 °
Single-conductor/terminal point multi-stranded	25 mm² ... 95 mm²
Conductor cross section flexible	35 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
2 conductors with the same cross section, stranded	16 mm² ... 35 mm²
2 conductors with same cross section, flexible	16 mm² ... 35 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	16 mm² ... 35 mm²
Internal cylindrical gage	A12 / B12
Stripping length	27 mm
Torque	10 Nm ... 12 Nm

Connection capacity, internal

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	0 °
Single-conductor/terminal point multi-stranded	25 mm² ... 95 mm²
Conductor cross section flexible	35 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
2 conductors with the same cross section, stranded	16 mm² ... 35 mm²
2 conductors with same cross section, flexible	16 mm² ... 35 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	16 mm² ... 35 mm²
Internal cylindrical gage	A12 / B12
Stripping length	27 mm
Torque	10 Nm ... 12 Nm

Material data - contact

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Technical data

Material data - contact

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

Material data - housing

Housing color	gray (7042)
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

Width [w]	25 mm
Pitch	25 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	10
Denomination packing units	Pcs.

General product information

Type of note	Notes on safety
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)

Termination and connection method

Test for conductor damage and slackening	IEC 60947-7-1:2009-04
	Test passed

Pull-out test

Pull-out test	IEC 60947-7-1:2009-04
	Test passed

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Pull-out test

Conductor cross section / conductor type / tensile force	25 mm² / stranded / > 135 N
	35 mm² / flexible / > 190 N
	95 mm² / stranded / > 351 N
	95 mm² / flexible / > 351 N

Mechanical tests according to standard

Test specification	IEC 60947-7-1

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

Temperature-rise test

Result	Test passed
Specification	IEC 60947-7-1:2009-04

Current carrying capacity / derating curves

Specification	IEC 60947-7-1

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
	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.

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Technical data

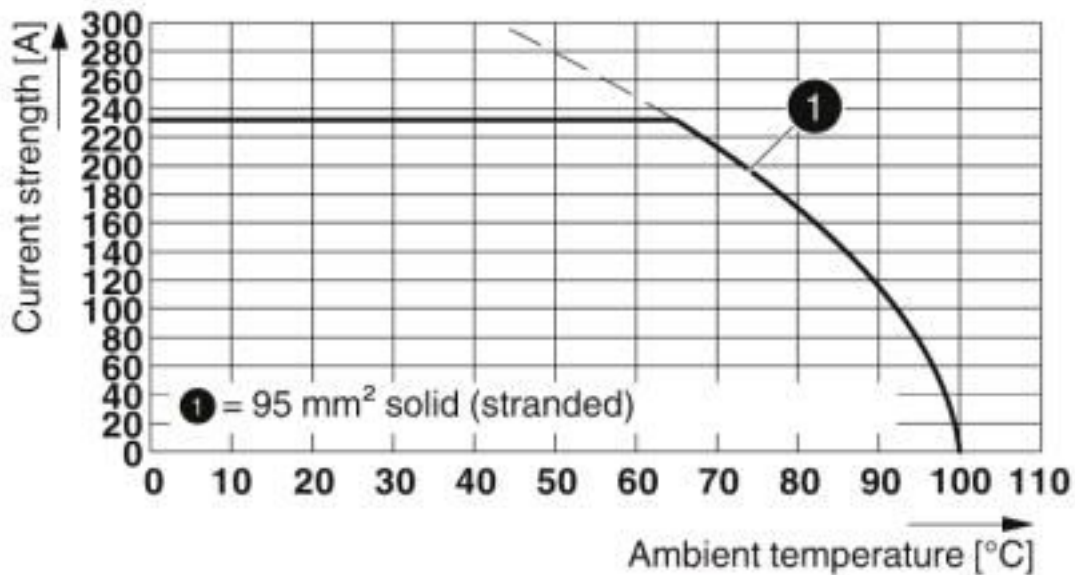### Standards and Regulations

	• 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.

Vibration test

Specification	IEC 60068-2-6:2007-12
Result	Test passed
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 - 60.1 Hz)
Acceleration	5 g (60.1 - 150 Hz)
Test duration per axis	2.5 h

Drawings

Diagram

① = 95 mm² solid (stranded)

Type: UWV 95(-F)/S

Classifications

eCl@ss

eCl@ss 10.0.1	27141134
eCl@ss 5.0	27141100

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Classifications

eCl@ss

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

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	40047737
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	E60425-20171107
		B	C
Nominal voltage UN		600 V	600 V
Nominal current IN		200 A	200 A
mm²/AWG/kcmil		4	4

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Approvals

EAC	EAC	B.01687

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

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

Crimping pliers - CRIMPFOX-C120 - 1212318

Basic pliers, for accommodating dies for a wide range of type of contacts up to 120 mm²

Die

Replacement die - CRIMPFOX-C120 AI 95/M-DIE - 1212336

Die (upper part), for CRIMPFOX-C120, for ferrules (DIN 46228) 95 mm², trapeze crimp

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Accessories

Replacement die - CRIMPFOX-C120 AI 95/F-DIE - 1212339

Die (lower part), for CRIMPFOX-C120, for ferrules (DIN 46228) 95 mm², trapeze crimp

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Labeled terminal marker

Zack marker strip - ZB 16 CUS - 0827463

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 10.5 x 16 mm, Number of individual labels: 5

Zack Marker strip, flat - ZBF 16 CUS - 0827465

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: 16 mm, lettering field size: 5.15 x 16 mm, Number of individual labels: 5

Marker for terminal blocks - UC-TM 16 CUS - 0824621

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

Marker for terminal blocks - UC-TMF 16 CUS - 0824678

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32

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Accessories

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

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Terminal marking

Zack marker strip - ZB 16:UNPRINTED - 0827461

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: 16 mm, lettering field size: 16 x 10.5 mm, Number of individual labels: 50

Zack Marker strip, flat - ZBF 16:UNPRINTED - 0827464

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 16.25 x 10.5 mm, Number of individual labels: 50

Marker for terminal blocks - UC-TM 16 - 0819217

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

Marker for terminal blocks - UC-TMF 16 - 0819262

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32

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Accessories