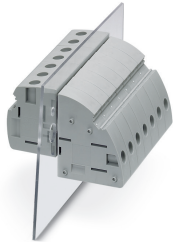


## Panel feed-through terminal block - UWV 25/S - 3073458

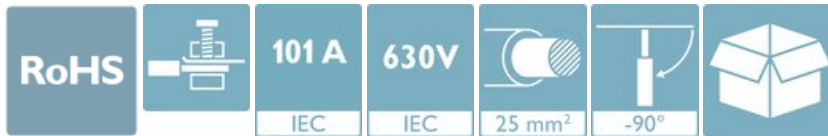
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Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Screw connection with tension sleeve, number of positions: 1, load current: 101 A, cross section: 6 mm<sup>2</sup> - 35 mm<sup>2</sup>, connection direction of the conductor to plug-in direction: -90 °, width: 15.1 mm, color: gray

### 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	25 pc
GTIN	 4 046356 344753
GTIN	4046356344753
Weight per Piece (excluding packing)	62.400 g
Custom tariff number	85369010
Country of origin	China

### Technical data

#### Item properties

Brief article description	Panel feed-through terminal block
Range of articles	UWV 25
Pitch	15.1 mm
Number of positions	1

# Panel feed-through terminal block - UWV 25/S - 3073458

## Technical data

### Item properties

Number of connections	2
Number of potentials	1

### Electrical parameters

Nominal current	101 A
Nom. voltage	630 V
Maximum load current	125 A (with 35 mm <sup>2</sup> conductor cross section)
Rated voltage (III/3)	630 V
Rated surge voltage (III/3)	6 kV

### Connection capacity, external

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	-90 °
Conductor cross section solid	6 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross section flexible	10 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm <sup>2</sup> ... 25 mm <sup>2</sup>
2 conductors with same cross section, solid	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible	4 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Internal cylindrical gage	B7
Stripping length	19 mm
Torque	4 Nm ... 4.5 Nm

### Connection capacity, internal

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	0 °
Conductor cross section solid	6 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross section flexible	10 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm <sup>2</sup> ... 25 mm <sup>2</sup>
2 conductors with same cross section, solid	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible	4 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>

# Panel feed-through terminal block - UWV 25/S - 3073458

## Technical data

### Connection capacity, internal

Internal cylindrical gage	B7
Stripping length	19 mm
Torque	4 Nm ... 4.5 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

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

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Width [ w ]	15.1 mm
Pitch	15.1 mm

### Dimensions for mounting cutout

Plate thickness	1 mm ... 6 mm
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### Packaging information

Type of packaging	packed in cardboard
Pieces per package	25
Denomination packing units	Pcs.

### 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
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# Panel feed-through terminal block - UWV 25/S - 3073458

## Technical data

### Termination and connection method

	Test passed
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### Pull-out test

Pull-out test	IEC 60947-7-1:2009-04
Conductor cross section / conductor type / tensile force	6 mm <sup>2</sup> / solid / > 80 N
	10 mm <sup>2</sup> / flexible / > 90 N
	35 mm <sup>2</sup> / stranded / > 190 N
	25 mm <sup>2</sup> / flexible / > 135 N

### Mechanical tests according to standard

Test specification	IEC 60947-7-1 (following)
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### Electrical tests

Rated current	101 A
Conductor cross section	25 mm <sup>2</sup>

### Air clearances and creepage distances

Clearances and creepage distances	without spacer plate IEC 60947-7-1:2009-04
Application	without spacer plate
Specification	IEC 60947-7-1:2009-04
Minimum clearance - inhomogeneous field (III/3)	5.5 mm
Minimum creepage distance value (III/3)	8 mm

### Temperature-rise test

Specification	IEC 60947-7-1:2009-04
Requirement temperature-rise test	Increase in temperature ≤ 45 K

### Standards and Regulations

Connection in acc. with standard	UL
	IEC 60947-7-1
Flammability rating according to UL 94	V0
Safety note	<ul style="list-style-type: none"> <li>• Only electrically qualified personnel may install and operate the product. To recognize and prevent danger, the qualified personnel must be familiar with the basics of electrical engineering.</li> <li>• Observe the technical data provided here and refer to the documents listed under "Downloads". The download area contains important information, such as installation notes, technical drawings, and 3D data.</li> <li>• 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.</li> </ul>

### Glow-wire test

Specification	IEC 60695-2-11:2000-10
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# Panel feed-through terminal block - UWV 25/S - 3073458

## Technical data

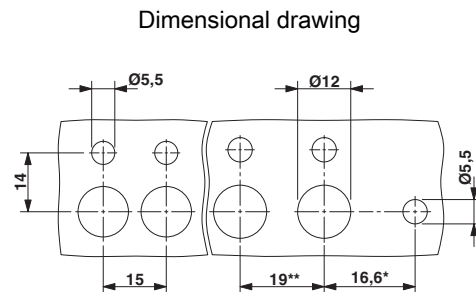
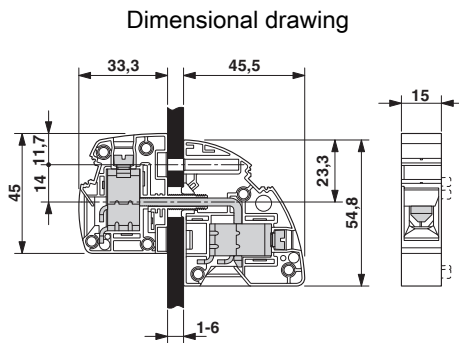
### Glow-wire test

Temperature	960 °C
Time of exposure	30 s

### Environmental Product Compliance

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

## Drawings



\* Only when using the UW...-F flange plate

\*\* Dimensions when using the DP-UW... spacer plate

## Classifications

### eCl@ss

eCl@ss 10.0.1	27141134
eCl@ss 11.0	27141134
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141134
eCl@ss 9.0	27141134

### ETIM

ETIM 2.0	EC001283
ETIM 3.0	EC001283
ETIM 4.0	EC001283
ETIM 6.0	EC001283

# Panel feed-through terminal block - UWV 25/S - 3073458

## Classifications

### ETIM

ETIM 7.0	EC001283
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### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals


### Approvals


Approvals

EAC / cULus Recognized

Ex Approvals

### Approval details

EAC		B.01687
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-20100423
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	112.5 A	112.5 A	
mm <sup>2</sup> /AWG/kcmil	10-2	10-2	

## Panel feed-through terminal block - UWV 25/S - 3073458

### Accessories

#### Accessories

#### Crimping tool

##### Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

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##### 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 mm<sup>2</sup> ... 25 mm<sup>2</sup>, lateral entry, WM crimp

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##### 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 mm<sup>2</sup> ... 50 mm<sup>2</sup>, lateral entry, WM crimp

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### Flange

#### Flange cover - UWV 25-F - 3074622



Flange, number of positions: 0, color: gray

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### Partition plate

## Panel feed-through terminal block - UWV 25/S - 3073458

### Accessories

Spacer plate - DP-UWV 25 - 3074431



Spacer plate, number of positions: 0, pitch: 0 mm, color: gray

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### Screwdriver tools

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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### Terminal marking

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



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: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

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



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: 15 mm, lettering field size: 15 x 5.2 mm, Number of individual labels: 5

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Marker for terminal blocks - TMT 100 R - 0816605



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, unperforated, mounting type: snap into universal marker groove, snap into flat marker groove, for terminal block width: 100 mm, lettering field size: 6.35 x 101.5 mm, Number of individual labels: 1000

## Panel feed-through terminal block - UWV 25/S - 3073458

### Accessories

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#### Marker for terminal blocks - TMT (EX9,5)R - 0828295



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: snap into universal marker groove, snap into tall marker groove, for terminal block width: 50000 mm, lettering field size: 9.5 x 50000 mm, Number of individual labels: 1

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