

**WDU 16N BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Version	Feed-through terminal, Screw connection, 16 mm <sup>2</sup> , 690 V, 76 A, blue
Order No.	<a href="#">1036180000</a>
Type	WDU 16N BL
GTIN (EAN)	4008190273224
Qty.	50 pc(s).

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Catalogue status 23.07.2021 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 °C
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.362 °C	Width	12 mm
Width (inches)	0.472 °C	Weight	24.85 g
Net weight	24.06 g		

### Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

### Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

### System specifications

Version	Screw connection, for screwable cross- connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	Yes
PE function	No	PEN function	Yes

### 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	4 Nm	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1.5 Nm
Wire connection cross section, finely stranded, two clampable wires, min.	1.5 Nm	Wire cross-section, finely stranded, two clampable wires, max.	4 Nm

### Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on

### CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	70 A
Current size D (CSA)	5 A	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	14 AWG		

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## Technical data

## Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	25 Nm
Clamping range, min.	1.5 Nm	Clamping screw	M 4
Connection cross-section, stranded, max.	25 Nm	Connection cross-section, stranded, min.	1.5 Nm
Connection direction	on side	Gauge to IEC 60947-1	B7
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	2.4 inch	Tightening torque, min.	1.2 inch
Torque level with DMS electric screwdriver	4	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section, finely stranded, max.	16 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 Nm	Wire connection cross-section, solid core, max.	16 Nm
Wire connection cross-section, solid core, min.	1.5 Nm		

## General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 14

## Rating data

Rated cross-section	16 Nm	Rated voltage	690 V
Rated current	76 A	Current at maximum wires	101 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.42 °C
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	2.43 W
Pollution severity	3		

## UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	14 AWG	Current size B (UR)	70 A
Current size C (UR)	70 A	UL_current_Print	70 A
UL_voltage_Print	300 V	UL_wire_max_Print	6 A / 6 A / 10 A / 13 A / 15 A
UL_wire_min_Print	14 A / 6 A / 10 A / 13 A / 15 A	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V		

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E60693

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EAC certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">Instruction</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

