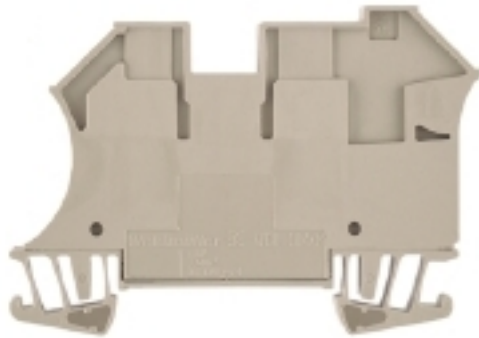


WDU 10/ZR**Weidmüller Interface GmbH & Co. KG**

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, 10 mm ² , 800 V, 57 A, dark beige
Order No.	1042400000
Type	WDU 10/ZR
GTIN (EAN)	4032248285655
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 °C
Depth including DIN rail	49.5 mm	Height	70 mm
Height (inches)	2.756 °C	Width	9.9 mm
Width (inches)	0.39 °C	Net weight	22.234 g

Temperatures

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

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Additional connection, for screwable cross- connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

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

Cross-section for connected wire, solid, two clampable wires, max.	6 Nm	Cross-section for connected wire, solid, two clampable wires, min.	0.5 Nm
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 Nm	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1 Nm
Wire connection cross section, finely stranded, two clampable wires, min.	1 Nm	Wire cross-section, finely stranded, two clampable wires, max.	6 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)	65 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

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Technical data**Conductors for clamping (additional connection)**

Blade size, additional connection	0.6 x 3.5 mm	Clamping range, further connection, max.	6 Nm
Clamping range, further connection, min.	0.21 Nm	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 Nm
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 Nm	Conductor cross-section, flexible, further connection, min.	0.5 Nm
Connection direction	on side	Connection type, additional connection	Screw connection
Cross-section for connected wire, AWG, additional connection, max.	AWG 10	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, flexible, further connection, max.	4 Nm	Cross-section for connected wire, multi-core, further connection, max.	4 Nm
Cross-section for connected wire, multi-core, further connection, min.	1.5 Nm	Cross-section for connected wire, solid-core, further connection, max.	6 Nm
Cross-section for connected wire, solid-core, further connection, min.	0.5 Nm	Number of connections, additional connection	1
Rated cross-section, further connection	4 Nm	Stripping length, additional connection	10 mm
Terminal screw, additional connection	M 3	Tightening torque, additional connection, max.	1 inch
Tightening torque, additional connection, min.	0.5 inch		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
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Technical data

Clampable conductor	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	1.5 Nm	
		max.	16 Nm	
		nominal	10 Nm	
	wire end ferrule	Stripping length	min.	12 mm
			max.	12 mm
			nominal	12 mm
		Tightening torque	min.	1.2 inch
			max.	1.9 inch
		Recommended wire-end ferrule		
	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	1.5 Nm	
		max.	16 Nm	
		nominal	10 Nm	
	wire end ferrule	Stripping length	min.	12 mm
			max.	12 mm
			nominal	12 mm
		Tightening torque	min.	1.2 inch
			max.	1.9 inch
		Recommended wire-end ferrule		
	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	1.5 Nm	
		max.	16 Nm	
		nominal	10 Nm	
	wire end ferrule	Stripping length	min.	12 mm
			max.	12 mm
			nominal	12 mm
		Tightening torque	min.	1.2 inch
			max.	1.9 inch
		Recommended wire-end ferrule		
Clamping range, max.		16 Nm		
Clamping range, min.		1.31 Nm		
Clamping screw		M 4		
Connection cross-section, stranded, max.		16 Nm		
Connection cross-section, stranded, min.		1.5 Nm		
Connection direction		on side		
Gauge to IEC 60947-1		B6, A4		
Number of connections		2		
Stripping length		12 mm		
Tightening torque, max.		1.9 inch		
Tightening torque, min.		1.2 inch		
Torque level with DMS electric screwdriver		4		
Twin wire-end ferrules, max.		6 Nm		
Twin wire-end ferrules, min.		1.5 Nm		
Type of connection		Screw connection		
Wire connection cross section AWG, max.		AWG 6		
Wire connection cross section AWG, min.		AWG 16		
Wire connection cross section, finely stranded, max.		16 Nm		

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 Nm
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 Nm
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 Nm
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 Nm
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Wire connection cross-section, solid core, max.	16 Nm
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Wire connection cross-section, solid core, min.	1.5 Nm
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Dimensions

TS 35 offset	32 mm
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General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16

Rating data

Rated cross-section	10 Nm	Rated voltage	800 V
Rated current	57 A	Current at maximum wires	76 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 °C
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.82 W
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	16 AWG	Current size C (UR)	65 A
UL_current_Print	65 A	UL_voltage_Print	600 V
UL_wire_max_Print	6 A / 6 A / 10 A / 13 A / 15 A	UL_wire_min_Print	16 A / 6 A / 10 A / 13 A / 15 A
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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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search E60693

Downloads

Approval/Certificate/Document of Conformity	EAC certificate Declaration of Conformity Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

