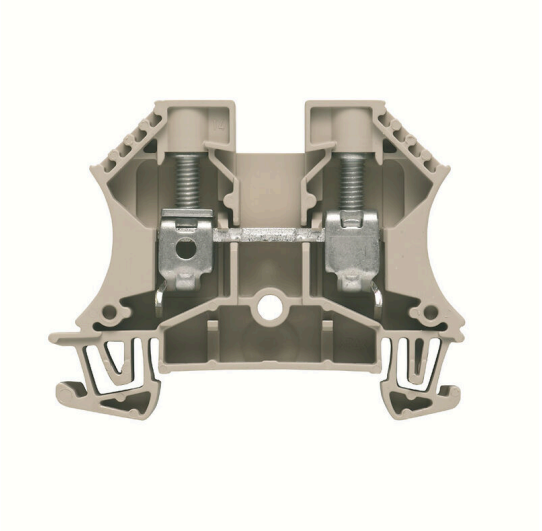
Data sheet

WDU 10 IR

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal block, Screw connection, dark beige, 10 mm², 57 A, 1000 V, Number of connections: 2
Order No.	1393380000
Type	WDU 10 IR
GTIN (EAN)	4050118418729
Qty.	50 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	9.9 mm
Width (inches)	0.3898 inch	Net weight	16.9 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption	
REACH SVHC	No SVHC above 0.1 wt%	
Product Carbon Footprint	Cradle to gate	0,148 kg CO2 eq.

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	57 A
Wire cross section max. (ATEX)	10 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	57 A	Wire cross section max. (IECEX)	10 mm²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	End cover plate required	Yes
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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

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Additional technical data

Open sides	right	Number of similar terminals	1
Explosion-tested version	Yes	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	18 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B6
Wire connection cross section AWG, max.	AWG 6
Connection direction	on side
Tightening torque, max.	1.8 Nm
Tightening torque, min.	1.5 Nm
Stripping length	12 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	16 mm²
Clamping range, min.	1.31 mm²
Clamping screw	M 4
Blade size	TX 15
Wire connection cross section AWG, min.	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²
Wire connection cross section, finely stranded, max.	16 mm²
Wire connection cross section, finely stranded, min.	1.5 mm²
Connection cross-section, stranded, max.	16 mm²
Connection cross-section, stranded, min.	1.5 mm²
Twin wire-end ferrules, max.	6 mm²
Twin wire-end ferrules, min.	1.5 mm²
Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	1.5 mm²

Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U
		min.	1.5 mm²

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	max.	16 mm²	
	nominal	10 mm²	
wire end ferrule	Stripping length	min.	12 mm
		max.	12 mm
		nominal	12 mm
	Tightening torque	min.	1.5 Nm
		max.	1.8 Nm
Connection specification	Screw connection		
Cross-section for conductor connection	Type	stranded, H07V-R	
	min.	1.5 mm²	
	max.	16 mm²	
	nominal	10 mm²	
wire end ferrule	Stripping length	min.	12 mm
		max.	12 mm
		nominal	12 mm
	Tightening torque	min.	1.5 Nm
		max.	1.8 Nm
Connection specification	Screw connection		
Cross-section for conductor connection	Type	flexible, H05(07) V-K	
	min.	1.5 mm²	
	max.	16 mm²	
	nominal	10 mm²	
wire end ferrule	Stripping length	min.	12 mm
		max.	12 mm
		nominal	12 mm
	Tightening torque	min.	1.5 Nm
		max.	1.8 Nm

General

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

Rating data

Rated cross-section	10 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	57 A
Current at maximum wires	76 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	6 AWG	Current size C (UR)	65 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	18 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	18 AWG
Conductor size Field wiring max. (UR)	6 AWG		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings