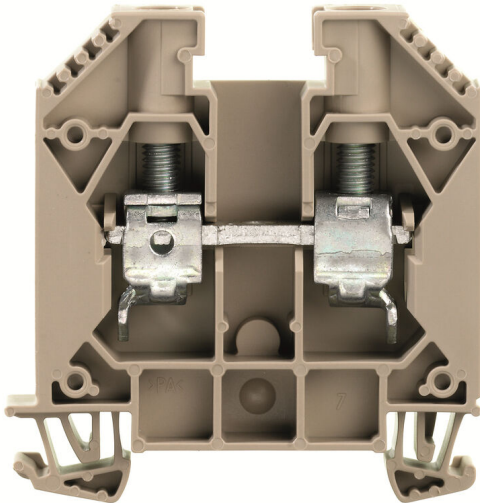


WDU 16 IR**Weidmüller Interface GmbH & Co. KG**

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, 16 mm ² , 76 A, 1000 V, Number of connections: 2
Order No.	1393390000
Type	WDU 16 IR
GTIN (EAN)	4050118323511
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	62.5 mm	Depth (inches)	2.4606 inch
Height	60 mm	Height (inches)	2.3622 inch
Width	11.9 mm	Width (inches)	0.4685 inch
Net weight	29.46 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%
Product Carbon Footprint	Cradle to gate 0,231 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)	76 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	76 A	Wire cross section max. (IECEX)	16 mm ²
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	Yes

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Technical data

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

Cross-section for connected wire, solid, two clampable wires, max.	6 mm ²	Cross-section for connected wire, solid, two clampable wires, min.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1.5 mm ²
Wire cross-section, finely stranded, two clampable wires, max.	6 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	1.5 mm ²
Cross-section for connected wire, stranded, two clampable wires, max.	6 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	1.5 mm ²

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)	85 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	B7
Wire connection cross section AWG, max.	AWG 4
Connection direction	on side
Tightening torque, max.	4 Nm
Tightening torque, min.	3 Nm
Stripping length	16 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	25 mm ²
Clamping range, min.	0.82 mm ²
Clamping screw	M 5
Blade size	TX 15
Wire connection cross section AWG, min.	AWG 18
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.82 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.82 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²
Wire connection cross section, finely stranded, min.	0.82 mm ²

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Technical data

Connection cross-section, stranded, max.	25 mm ²			
Connection cross-section, stranded, min.	0.82 mm ²			
Twin wire-end ferrules, max.	10 mm ²			
Twin wire-end ferrules, min.	1.5 mm ²			
Wire connection cross-section, solid core, max.	16 mm ²			
Wire connection cross-section, solid core, min.	0.82 mm ²			
Connection cross-section, finely stranded, min.	0.82 mm ²			
Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	1.5 mm ²	
		max.	16 mm ²	
		nominal	16 mm ²	
	wire end ferrule	Stripping length	min.	16 mm
			max.	16 mm
			nominal	16 mm
		Tightening torque	min.	3 Nm
			max.	4 Nm
	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	1.5 mm ²	
		max.	25 mm ²	
		nominal	16 mm ²	
	wire end ferrule	Stripping length	min.	16 mm
			max.	16 mm
			nominal	16 mm
		Tightening torque	min.	3 Nm
			max.	4 Nm
	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	1.5 mm ²	
		max.	25 mm ²	
		nominal	16 mm ²	
	wire end ferrule	Stripping length	min.	16 mm
			max.	16 mm
nominal			16 mm	
Tightening torque		min.	3 Nm	
		max.	4 Nm	

General

Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 18
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	16 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	76 A
Current at maximum wires	101 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.42 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	2.43 W	Pollution severity	3

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Conductor size Factory wiring max. (UR)	4 AWG	Current size C (UR)	85 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)	4 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		

