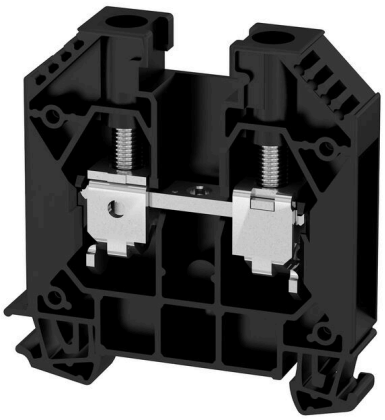
Data sheet

WDU 16 SW

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, black, 16 mm², 76 A, 1000 V, Number of connections: 2
Order No.	1833420000
Type	WDU 16 SW
GTIN (EAN)	4032248570744
Qty.	50 items

Downloaded from Arrow.com.

Data sheet

WDU 16 SW

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

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.4606 inch
Depth including DIN rail	63 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	11.9 mm
Width (inches)	0.4685 inch	Net weight	30.82 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	0,255 kg CO2 eq.

Material data

Basic material	Wemid	Colour	black
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 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	76 A	Wire cross section max. (IECEX)	16 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

Downloaded from Arrow.com.

Data sheet

WDU 16 SW

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

www.weidmueller.com

Technical data

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

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

Cross-section for connected wire, solid, two clampable wires, max.	6 mm²	Cross-section for connected wire, solid, two clampable wires, min.	1.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1.5 mm²
Wire cross-section, finely stranded, two clampable wires, max.	6 mm²	Wire connection cross section, finely stranded, two clampable wires, min.	1.5 mm²
Cross-section for connected wire, stranded, two clampable wires, max.	6 mm²	Cross-section for connected wire, stranded, two clampable wires, min.	1.5 mm²

Additional technical data

Open sides	right	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 mm²
Clamping range, min.	0.82 mm²
Clamping screw	M 5
Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 18
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.	0.82 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²

Downloaded from Arrow.com.

Data sheet

WDU 16 SW

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

www.weidmueller.com

Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.82 mm²			
Wire connection cross section, finely stranded, max.	25 mm²			
Wire connection cross section, finely stranded, min.	0.82 mm²			
Connection cross-section, stranded, max.	25 mm²			
Connection cross-section, stranded, min.	0.82 mm²			
Twin wire-end ferrules, max.	10 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.	0.82 mm²			
Connection cross-section, finely stranded, min.	0.82 mm²			
Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	1.5 mm²	
		max.	16 mm²	
		nominal	16 mm²	
	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 mm²	
		max.	25 mm²	
		nominal	16 mm²	
	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 mm²	
		max.	25 mm²	
		nominal	16 mm²	
	wire end ferrule	Stripping length	min.	16 mm
			max.	16 mm
			nominal	16 mm
		Tightening torque	min.	3 Nm
			max.	4 Nm

Dimensions

TS 35 offset	32 mm

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

Downloaded from Arrow.com.

Weidmüller

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

www.weidmueller.com

Technical data

Rating data

Rated cross-section	16 mm²	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

UL rating data

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

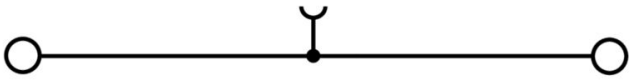
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Downloaded from Arrow.com.

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

www.weidmueller.com

Drawings



Downloaded from Arrow.com.