

WDU 240**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image** Similar to illustration

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, 240 mm ² , 415 A, 1000 V, Number of connections: 2
Order No.	1802780000
Type	WDU 240
GTIN (EAN)	4032248313723
Qty.	2 ST

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Technical data

Approvals

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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E175455

Dimensions and weights

Depth	123.7 mm	Depth (inches)	4.8701 inch
Depth including DIN rail	124 mm	Height	100 mm
Height (inches)	3.937 inch	Width	36 mm
Width (inches)	1.4173 inch	Net weight	472.5 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%

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA01ATEX2186U	Max. voltage (ATEX)	1100 V
Current (ATEX)	350 A	Wire cross section max. (ATEX)	240 mm²
Marking EN 60079-7	Ex e II	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw 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	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 32, TS 35	N-function	No
PE function	No	PEN function	Yes

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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.	50 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm ²
Wire cross-section, finely stranded, two clampable wires, max.	95 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	50 mm ²
Cross-section for connected wire, stranded, two clampable wires, max.	95 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	35 mm ²

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	500 kcmil	Voltage size C (CSA)	600 V
Current size C (CSA)	400 A	Certificate No. (CSA)	213329
Wire cross section min. (CSA)	0 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection Screw / solder connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B15
Wire connection cross section AWG, max.	kcmil 500
Connection direction	on side
Tightening torque, max.	30 Nm
Tightening torque, min.	25 Nm
Stripping length	40 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	240 mm ²
Clamping range, min.	70 mm ²
Clamping screw	M 10
Blade size	S8 (DIN 6911)
Wire connection cross section AWG, min.	AWG 2/0
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	185 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	70 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	185 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	70 mm ²
Wire connection cross section, finely stranded, max.	240 mm ²
Wire connection cross section, finely stranded, min.	70 mm ²
Connection cross-section, stranded, max.	240 mm ²

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Catalogue status / Drawings

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Technical data

Connection cross-section, stranded, min. 70 mm²Wire connection cross-section, solid core, max. 185 mm²Wire connection cross-section, solid core, min. 70 mm²

Clampable conductor	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	70 mm ²	
		max.	240 mm ²	
		nominal	240 mm ²	
	wire end ferrule	Stripping length	min.	40 mm
			max.	40 mm
			nominal	40 mm
		Tightening torque	min.	25 Nm
			max.	30 Nm
			Connection specification	
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	70 mm ²	
		max.	240 mm ²	
nominal		240 mm ²		
wire end ferrule	Stripping length	min.	40 mm	
		max.	40 mm	
		nominal	40 mm	
	Tightening torque	min.	25 Nm	
		max.	30 Nm	

General

Wire connection cross section AWG, max.	kcmil 500	Wire connection cross section AWG, min.	AWG 2/0
Standards	IEC 60947-7-1	Rail	TS 32, TS 35

Rating data

Rated cross-section	240 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Rated current	415 A
Current at maximum wires	415 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.08 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	13.28 W	Pollution severity	3

UL rating data

Wire cross section max. (UR)	500 kcmil	Current size C (UR)	380 A
Voltage size C (UR)	600 V	Certificate No. (UR)	E175455

Important note

Product information	The max. connectable wire reduces by one wire size if a cross connector is used that has to be mounted in the wire entry.
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Classifications

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

Technical data

ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Drawings

