

WDU 240**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, Screw connection, 240 mm ² , 1000 V, 415 A, dark beige
Order No.	1802780000
Type	WDU 240
GTIN (EAN)	4032248313723
Qty.	2 pc(s).

Creation date March 1, 2023 10:35:58 AM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	123.7 mm	Depth (inches)	4.87 inch
Depth including DIN rail	124 mm	Height	100 mm
Height (inches)	3.937 inch	Width	36 mm
Width (inches)	1.417 inch	Net weight	472.5 g

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	120 °C

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 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex e II

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

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

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
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 connection cross section, finely stranded, two clampable wires, min.	50 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	95 mm ²

Additional technical data

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

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CSA rating data

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

Conductors for clamping (rated connection)

Blade size	S8 (DIN 6911)			
Clampable conductor	Connection specification	Screw connection		
		Cross-section for conductor connection	Type	stranded, H07V-R
			min.	70 mm ²
	max.		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	
		Recommended wire-end ferrule		
	Connection specification	Screw connection		
		Cross-section for conductor connection	Type	flexible, H05(07) V-K
min.			70 mm ²	
max.	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		
	Recommended wire-end ferrule			
Clamping range, max.	240 mm ²			
Clamping range, min.	70 mm ²			
Clamping screw	M 10			
Connection cross-section, stranded, max.	240 mm ²			
Connection cross-section, stranded, min.	70 mm ²			
Connection direction	on side			
Gauge to IEC 60947-1	B15			
Number of connections	2			
Stripping length	40 mm			
Tightening torque, max.	30 Nm			
Tightening torque, min.	25 Nm			
Type of connection	Screw connection			
Wire connection cross section AWG, max.	kcmil 500			
Wire connection cross section AWG, min.	AWG 2/0			
Wire connection cross section, finely stranded, max.	240 mm ²			
Wire connection cross section, finely stranded, min.	70 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	185 mm ²			

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	70 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	185 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	70 mm ²
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General

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

Rating data

Rated cross-section	240 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	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

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

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	ECLASS 12.0	27-14-11-20

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	c6099607-b1cd-4fc8-8f5b-8c2defa73093

Approvals

Approvals



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

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Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity CB Testreport CB Certificate ATEX Certificate EAC certificate EAC EX Certificate ATEX Certificate IECEX Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks NTI WDU 240
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

