

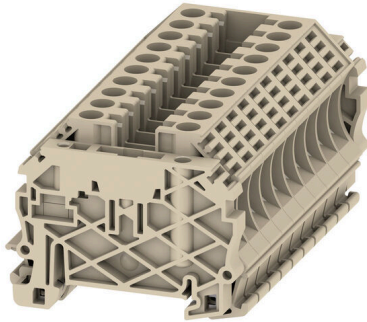
WDU 6 PACK**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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, 6 mm ² , 41 A, 800 V, Number of connections: 2
Order No.	1781740000
Type	WDU 6 PACK
GTIN (EAN)	4032248174706
Qty.	1 items

WDU 6 PACK

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 inch
Depth including DIN rail	47 mm	Height	46.5 mm
Height (inches)	1.8307 inch	Width	89 mm
Width (inches)	3.5039 inch	Net weight	182 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	1,479 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)	41 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	41 A	Wire cross section max. (IECEX)	10 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	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
Mounting rail	TS 35		

Additional technical data

Explosion-tested version	Yes	Type of mounting	Snap-on
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Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

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Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 8				
Stripping length	12 mm				
Type of connection	Screw connection				
Number of connections	2				
Clamping range, max.	10 mm ²				
Clamping range, min.	0.22 mm ²				
Clamping screw	M 3.5				
Blade size	0.8 x 4.0 mm				
Wire connection cross section AWG, min.	AWG 26				
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²				
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.22 mm ²				
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²				
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.22 mm ²				
Wire connection cross section, finely stranded, max.	10 mm ²				
Wire connection cross section, finely stranded, min.	0.22 mm ²				
Connection cross-section, stranded, max.	6 mm ²				
Connection cross-section, stranded, min.	0.22 mm ²				
Wire connection cross-section, solid core, max.	10 mm ²				
Wire connection cross-section, solid core, min.	0.22 mm ²				
Connection cross-section, finely stranded, min.	0.22 mm ²				
Clampable conductor	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		min.	0.5 mm ²		
		max.	10 mm ²		
		nominal	6 mm ²		
	wire end ferrule	Stripping length	min.	12 mm	
			max.	12 mm	
			nominal	12 mm	
		Tightening torque	min.	0.8 Nm	
			max.	1.6 Nm	
	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	stranded, H07V-R		
		min.	1.5 mm ²		
		max.	10 mm ²		
		nominal	6 mm ²		
	wire end ferrule	Stripping length	min.	12 mm	
			max.	12 mm	
			nominal	12 mm	
		Tightening torque	min.	0.8 Nm	
			max.	1.6 Nm	
	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	flexible, H05(07) V-K		

Technical data

wire end ferrule	min.	0.5 mm ²	
	max.	10 mm ²	
	nominal	6 mm ²	
	Stripping length	min.	12 mm
		max.	12 mm
		nominal	12 mm
	Tightening torque	min.	0.8 Nm
max.		1.6 Nm	

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Power loss in accordance with IEC 60947-7-x	1.31 W

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		

Drawings

