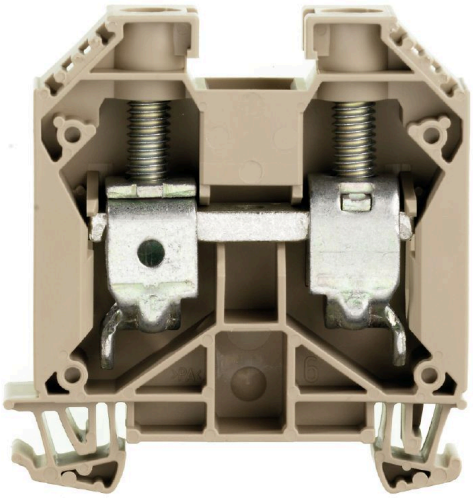
Data sheet

WDU 35/IK

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

www.weidmueller.com

Product image



More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

Version	Feed-through terminal block, Screw connection, dark beige, 35 mm², 125 A, 1000 V, Number of connections: 2
Order No.	1020600000
Type	WDU 35/IK
GTIN (EAN)	4008190180072
Qty.	25 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
Depth including DIN rail	63 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	16 mm
Width (inches)	0.6299 inch	Net weight	41.04 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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	0.437 kg CO2eq.

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)	115 A
Wire cross section max. (ATEX)	35 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	115 A	Wire cross section max. (IECEX)	35 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
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

Additional technical data

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

CSA rating data

Voltage size C (CSA)	600 V	Current size C (CSA)	150 A
Certificate No. (CSA)	200039-1057876	Wire cross section min. (CSA)	12 AWG

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B8, B9		
Wire connection cross section AWG, max.	AWG 10		
Connection direction	on side		
Tightening torque, max.	6 Nm		
Tightening torque, min.	4 Nm		
Stripping length	18 mm		
Type of connection	Screw connection		
Number of connections	2		
Clamping range, max.	50 mm²		
Clamping range, min.	2.5 mm²		
Clamping screw	M 6		
Blade size	S4 (DIN 6911)		
Wire connection cross section AWG, min.	AWG 12		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²		
Wire connection cross section, finely stranded, max.	35 mm²		
Wire connection cross section, finely stranded, min.	2.5 mm²		
Connection cross-section, stranded, max.	50 mm²		
Connection cross-section, stranded, min.	2.5 mm²		
Twin wire-end ferrules, max.	16 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.	2.5 mm²		
Connection cross-section, finely stranded, min.	2.5 mm²		
Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U

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Technical data

	min.	2.5 mm²	
	max.	16 mm²	
	nominal	35 mm²	
wire end ferrule	Stripping length	min.	18 mm
		max.	18 mm
		nominal	18 mm
	Tightening torque	min.	4 Nm
		max.	6 Nm
Connection specification	Screw connection		
Cross-section for conductor connection	Type	stranded, H07V-R	
	min.	2.5 mm²	
	max.	50 mm²	
	nominal	35 mm²	
wire end ferrule	Stripping length	min.	18 mm
		max.	18 mm
		nominal	18 mm
	Tightening torque	min.	4 Nm
		max.	6 Nm
Connection specification	Screw connection		
Cross-section for conductor connection	Type	flexible, H05(07) V-K	
	min.	2.5 mm²	
	max.	35 mm²	
	nominal	35 mm²	
wire end ferrule	Stripping length	min.	18 mm
		max.	18 mm
		nominal	18 mm
	Tightening torque	min.	4 Nm
		max.	6 Nm

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 12
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	35 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	125 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.26 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.00 W	Pollution severity	3

UL rating data

Voltage size B (UR)	600 V	Wire cross section min. (UR)	12 AWG
Current size B (UR)	150 A	Wire cross section max. (UR)	0 AWG
Current size C (UR)	150 A	Voltage size C (UR)	600 V
Conductor size Factory wiring min. (UR)	12 AWG	Certificate No. (UR)	E60693
Conductor size Field wiring min. (UR)	12 AWG		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897

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Technical data

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
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		

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Drawings

