

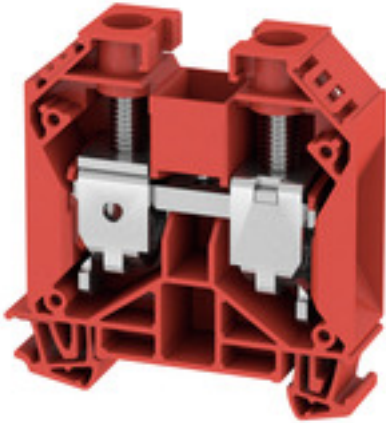
WDU 35 RT**Weidmüller Interface GmbH & Co. KG**

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, 35 mm ² , 1000 V, 125 A, red
Order No.	1298080000
Type	WDU 35 RT
GTIN (EAN)	4050118096330
Qty.	40 pc(s).

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

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Technical data

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Height	60 mm
Height (inches)	2.362 inch	Width	16 mm
Width (inches)	0.63 inch	Net weight	51.3 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	red
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 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	115 A	Wire cross section max. (IECEX)	35 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	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
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, stranded, two clampable wires, max.	16 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	16 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	2.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	2.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	16 mm ²

Additional technical data

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

Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm
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Clampable conductor	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		min.	2.5 mm ²		
		max.	16 mm ²		
		nominal	35 mm ²		
	wire end ferrule	Stripping length	min.	18 mm	
			max.	18 mm	
			nominal	18 mm	
		Tightening torque	min.	4 Nm	
			max.	5 Nm	
		Recommended wire-end ferrule			
	Connection specification		Screw connection		
Cross-section for conductor connection	Type	stranded, H07V-R			
	min.	2.5 mm ²			
	max.	50 mm ²			
	nominal	35 mm ²			
wire end ferrule	Stripping length	min.	18 mm		
		max.	18 mm		
		nominal	18 mm		
	Tightening torque	min.	4 Nm		
		max.	5 Nm		
	Recommended wire-end ferrule				
Connection specification		Screw connection			
Cross-section for conductor connection	Type	flexible, H05(07) V-K			
	min.	2.5 mm ²			
	max.	35 mm ²			
	nominal	35 mm ²			
wire end ferrule	Stripping length	min.	18 mm		
		max.	18 mm		
		nominal	18 mm		
	Tightening torque	min.	4 Nm		
		max.	5 Nm		
	Recommended wire-end ferrule				
Clamping range, max.	50 mm ²				
Clamping range, min.	2.5 mm ²				
Clamping screw	M 6				
Connection cross-section, stranded, max.	50 mm ²				
Connection cross-section, stranded, min.	2.5 mm ²				
Connection direction	on side				
Gauge to IEC 60947-1	B8				
Number of connections	2				
Stripping length	18 mm				
Tightening torque, max.	5 Nm				
Tightening torque, min.	4 Nm				
Twin wire-end ferrules, max.	16 mm ²				
Twin wire-end ferrules, min.	1.5 mm ²				
Type of connection	Screw connection				
Wire connection cross section AWG, max.	AWG 2				
Wire connection cross section AWG, min.	AWG 12				
Wire connection cross section, finely stranded, max.	35 mm ²				
Wire connection cross section, finely stranded, min.	2.5 mm ²				

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	2.5 mm ²

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12

Rating data

Rated cross-section	35 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	Rated 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 W	Pollution severity	3
Surge voltage category	III		

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

Approvals

Approvals



ROHS Conform

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate CB Testreport CB Certificate EAC certificate INMETRO certificate POLSKIREJ certificate EAC EX Certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 35.pdf StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

