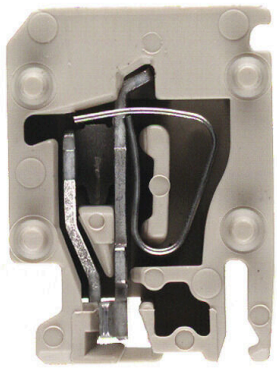
Data sheet

ZVL 1.5

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

www.weidmueller.com

Product image



The modular ZIA distribution system for simple signal wiring is based on stackable individual modules with proven tension spring connection technology. Thanks to the integrated cross-connection and the combination of socket and pin contacts, variable distribution strips can be flexibly assembled. The base elements are simply snapped onto TS35 DIN rails and are available in various designs for 3- and 4-wire connections. This allows the system to be configured individually and tailored to the specific application.

General ordering data

Version	Plug-in connector, Tension-clamp connection, 1.5 mm², Distribution strip, dark beige
Order No.	1649300000
Type	ZVL 1.5
GTIN (EAN)	4008190294250
Qty.	100 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	17.45 mm	Depth (inches)	0.687 inch
Height	12.9 mm	Height (inches)	0.5079 inch
Width	5.08 mm	Width (inches)	0.2 inch
Net weight	1.23 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °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

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Distribution strip	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	Levels cross-connected internally	No
PE connection	No		

Additional technical data

Open sides	right	Explosion-tested version	No
Type of mounting	Plugged		

CSA rating data

Wire cross section max. (CSA)	14 AWG	Certificate No. (CSA)	200039-1068678
Voltage size B (CSA)	300 V	Current size B (CSA)	10 A
Voltage size D (CSA)	300 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible with plastic collar (DIN 46228/1) (further connection), max.	1.5 mm²

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Technical data

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 14
Connection direction	top	Stripping length	7 mm
Type of connection	Tension-clamp connection	Number of connections	1
Clamping range, max.	2.5 mm²	Clamping range, min.	0.13 mm²
Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 26
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²
Wire connection cross-section, finely stranded, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	0.13 mm²
Connection cross-section, stranded, min.	0.13 mm²	Twin wire-end ferrules, max.	0.75 mm²
Twin wire-end ferrules, min.	0.5 mm²	Wire connection cross-section, solid core, max.	2.5 mm²
Wire connection cross-section, solid core, min.	0.13 mm²		

Dimensions

TS 15 offset	32 mm	TS 32 offset	38 mm
TS 35 offset	10 mm		

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 26	Standards	IEC 60947-7-1

Rating data

Rated cross-section	1.5 mm²	Rated voltage	250 V
Rated DC voltage	250 V	Nominal current	17.5 A
Standards	IEC 60947-7-1	Volume resistance	1.83 mΩ
Rated impulse withstand voltage	4 kV	Power loss in accordance with IEC 60947-7-x	0.56 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (UR)	14 AWG	Current size D (UR)	10 A
Conductor size Factory wiring min. (UR)	26 AWG	Certificate No. (UR)	E60693
Conductor size Field wiring min. (UR)	26 AWG	Voltage size D (UR)	300 V
Conductor size Field wiring max. (UR)	14 AWG		

Classifications

ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		