

**I-Series**  
**IPE 1.5N/3AN/ZB**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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Hybrid modular terminals use the time- and cost-saving IDC2 system on the inside (cabinet) and the "well-known" connections (screw or tension clamp) on the outside (field).

Variants with 2 and 3 connections are available.

**General ordering data**

Order No.	<a href="#">1806160000</a>
Type	IPE 1.5N/3AN/ZB
Version	I-Series, PE terminal, Rated cross-section: 1.5 mm <sup>2</sup> , Insulation displacement connection
GTIN (EAN)	4032248339426
Qty.	100 pc(s).

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**Technical data**
**Dimensions and weights**

Length	78.5 mm	Width	5.1 mm
Height	40 mm	Height of lowest version	40.5 mm
Net weight	14.75 g		

**Temperatures**

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

**Rated data IECEx/ATEX**

Certificate No. (ATEX)	KEMA02ATEX2241U	ATEX certificate	KEMA02ATEX2241U_d.pdf
ATEX certificate	KEMA02ATEX2241U_e.pdf	Wire cross section max. (ATEX)	1.5 mm <sup>2</sup>
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

**Additional technical data**

Explosion-tested version	Yes	Open sides	right
Type of mounting		Version	Insulation displacement connection (IDC), Screw connection, With PE connection, One end without connector
	Snap-on		

**Clampable wires (additional connection)**

Clamping range, further connection, min.	0.13 mm <sup>2</sup>	Clamping range, further connection, max.	4 mm <sup>2</sup>
Rated cross-section, further connection	2.5 mm <sup>2</sup>	Connection direction	on side
Number of connections, additional connection	1	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>		

**Clampable wires (rated connection)**

Type of connection	Insulation displacement connection	Blade size	0.6 x 3.5 mm
Connection direction	top	Clamping range, rated connection, min.	0.21 mm <sup>2</sup>
Clamping range, rated connection, max.	1.5 mm <sup>2</sup>	Clamping screw	M 2.5
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Wire connection cross section, solid core, max. rated connection	0.21 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	1.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	1.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.21 mm <sup>2</sup>

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**Technical data**

**Rated data**

Rated cross-section	1.5 mm <sup>2</sup>	Rated voltage to adjoining terminal	500 V
Rated impulse withstand voltage to adjacent terminal	6 kV	Standards	IEC 60352-4, IEC 60947-7-2
Pollution severity	3		

**UL ratings data**

Certificate No. (cURus)	E60693VOL1SEC61	Conductor size Factory wiring max. (cURus)	16 AWG
Conductor size Factory wiring min. (cURus)	22 AWG	Conductor size Field wiring max. (cURus)	16 AWG
Conductor size Field wiring min. (cURus)	22 AWG		

**Material data**

Material	Wemid	Colour	Yellow, Green
UL 94 flammability rating	V-0		

**System specifications**

Product family	I-Series	Type of connection	Insulation displacement connection
Connection direction	top	Number of levels	1
No. of clamping points per level	2	Levels cross-connected internally	No
Mounting rail	TS 35	End cover plate required	Yes

**Classifications**

ETIM 2.0	EC000901	ETIM 3.0	EC000901
UNSPSC	30-21-18-11	eClass 4.1	27-14-03-05
eClass 5.1	27-14-03-05	eClass 6.2	27-14-03-05
eClass 7.1	27-14-03-05		

**Product information**

Descriptive text technical data	Conductor < 0.5 mm <sup>2</sup> / AWG 24 with IRH 1.5
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**Approvals**

Approvals



ROHS	Conform
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