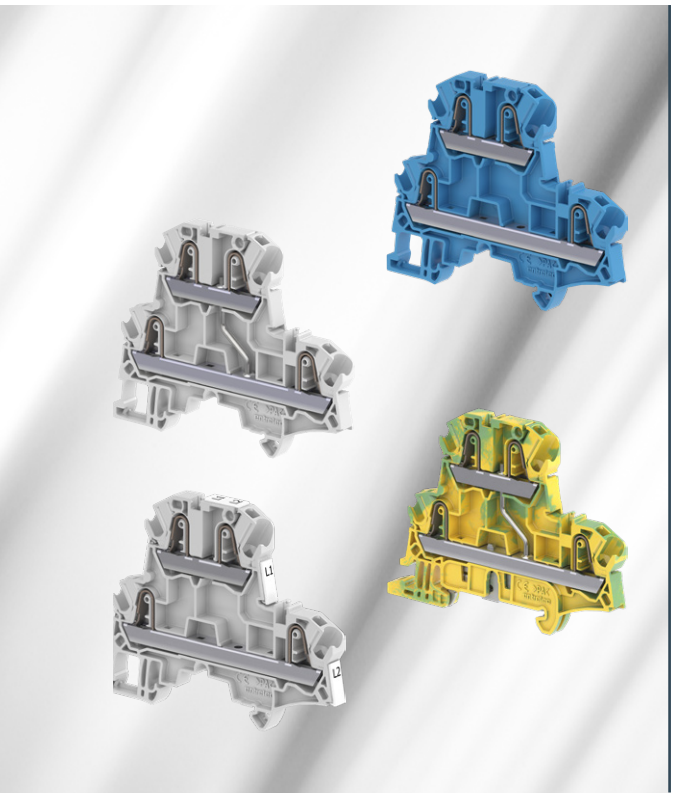
ENTRELEC
Electrical Solutions
By TE Connectivity



DOUBLE DECK TERMINAL BLOCKS

PI-SPRING (PUSH-IN & SPRING) TECHNOLOGY 4 mm²
1 & 2 FEED-THROUGH, GROUND

Combine high performance with compact dimensions:
- 800 V IEC 300 V UL
- 1 jumper channel on each deck
- Large input and output marker zone also on top of the higher deck

EASY TO INSTALL

Clear identification
- High visibility thanks to horizontal top marker
- Flat “SNK” marking surface
- Compatible with rotative marker

Easy wiring
- PI-Spring technology offer 2 technologies in 1 connection (Push-In & Spring)
- Angled front connection for easier access
- Screwdriver is locked during wiring process

FOR MANY NEEDS

World-class certifications
- Full standard package: IEC / UL / EAC / CSA

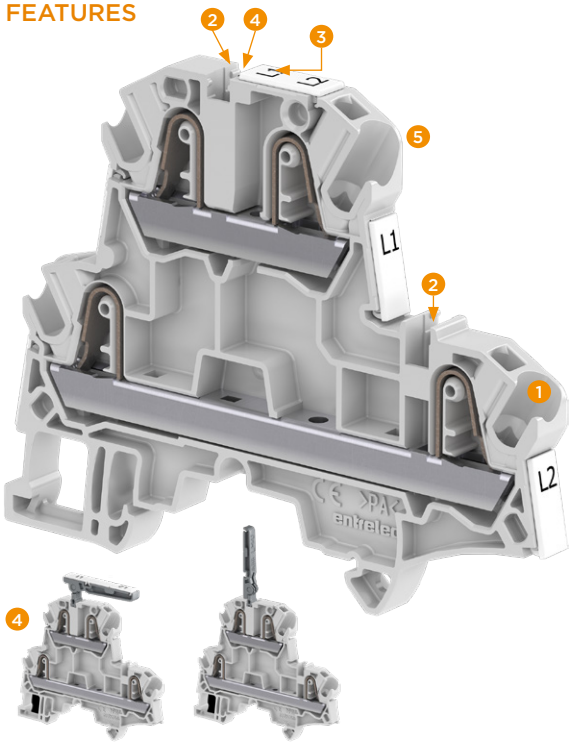
Safety
- Full IP20

INCREASED PRODUCTIVITY

Reduced wiring and assembly costs
- Push-in connection save up to 50% installation time compared to screw technology
- Mount 1 block and get up to 2 circuits and 4 connections at a time

Space saving
- Double deck blocks allow to fit 2 circuits in only 6 mm spacing

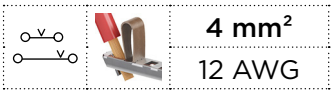
FEATURES



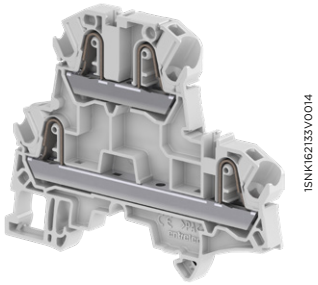
1. 4 mm² with insulated ferrule
2. 1 jumper channels per deck
3. 1 top horizontal marker for high visibility
4. Compatible with rotative markers to identify both decks if needed
5. Angled front connections for easier access

ZK4-D2 PI-Spring terminal blocks

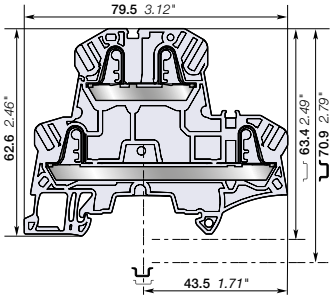
Double deck with 2 feed-through circuits - 6 mm 0.236 in spacing



4 mm²
12 AWG



ZK4-D2



6 mm 0.236 in spacing

Description

Combine high performance with compact dimensions:

- 800 V IEC 300 V UL,
- 2 jumper channels, 1 on the top and 1 on the bottom and a large input and output marker zone also on top of the higher deck.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Feed-through	2 feed-through circuits	Grey	ZK4-D2	1SNK706210R0000		50	16.40
		Blue	ZK4-D2-BL	1SNK706220R0000		50	16.40

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.5 ... 6 mm²	26 ... 10 AWG
	Flexible without ferrule	0.5 ... 4 mm²	
	Flexible with non insulated ferrule	0.5 ... 4 mm²	26 ... 12 AWG
	Flexible with insulated ferrule	0.5 ... 4 mm²	26 ... 12 AWG
2 conductors per clamp	Flexible with twin ferrule	0.5 ... 1 mm²	26 ... 18 AWG
Rated current / Rated cross section		29 A / 4 mm²	29 A / 10 AWG
Max. current/Max. cross section		36 A / 6 mm²	
Rated short-time withstand current (1s)		480 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		800 V	300 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		550 V 25 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/IIC/IIIC	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		12.5 mm 0.492 in
Tool (for flexible conductor without ferrule)		Flat screwdriver Ø 3.5 mm Ø 0.138 in

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors).All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

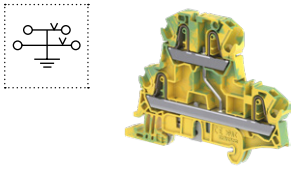
CE · CB · RoHS · USR CNR · CSA · EAC Ex · ATEX · IECEx · BV · DNV



Accessories

	Description			Color	Type	Part Number		Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAZH1	1SNK900102R0000		20	24.00
2	**End sections**	1.5 mm	0.059 in	Dark grey	EK4-D2	1SNK706960R0000		20	3.79
3	**Jumper bars**	2 poles	41 A (IEC)	Orange	JB6-2	1SNK906302R0000		50	1.30
		3 poles	41 A (IEC)		JB6-3	1SNK906303R0000		50	2.10
		4 poles	41 A (IEC)		JB6-4	1SNK906304R0000		50	2.90
		5 poles	41 A (IEC)		JB6-5	1SNK906305R0000		50	3.60
		10 poles	41 A (IEC)		JB6-10	1SNK906310R0000		20	7.40
		50 poles	41 A (IEC)		JB6-50	1SNK906350R0000		10	38.10
4	**Test adapters**	For test plugs DIA 2 mm 0.079 in		Dark grey	TP2	1SNK900203R0000		20	1.70
		For test plugs DIA 4 mm 0.157 in			TP4	1SNK900205R0000		20	2.40
5	**Test connectors**	5.2 mm 0.205 in spacing		Dark grey	TC5	1SNK900200R0000		10	5.20
		End module, 5.2 mm 0.205 in			TC5-R1	1SNK900201R0000		10	5.20
6	**Spacers**	0.8mm	0.031 in	Dark grey	ES-TC6	1SNK900105R0000		10	0.80
7	**Shield connectors**				SHB	1SNK900602R0000		20	4.90
8	**Label holders**			Dark grey	LH-J	1SNK900606R0000		100	0.73
9	**Terminal block markers**	Blank card			MC612	1SNK150000R0000		22	10.00
					MC612PA	1SNK159999R0000		20	11.00
		Universal wire markers holder		Grey	UMH	1SNK900611R0000		10	0.20

Complete list of accessories is indicated in the terminal block datasheet including end stops. Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.



Ground PI-Spring terminal blocks

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Profile aligned with ZK4-D2 and ZK4-D1	Green-yellow	ZK4-D1-PE	1SNK706250R0000		20	21.75

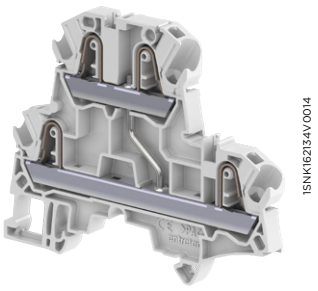
ZK4-D1 PI-Spring terminal blocks

Double deck with 1 feed-through circuit - 6 mm 0.236 in spacing

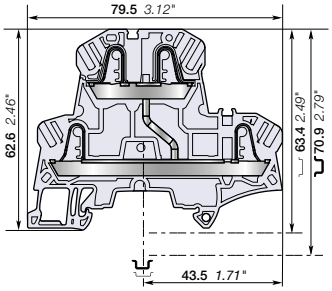
4 mm²
12 AWG

Description

- Find the same functionalities as ZK4-D2 and ease one potential distribution on 4 independent connections



ZK4-D1



6 mm 0.236 in spacing

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Feed-through	1 feed-through circuit	Grey	ZK4-D1	1SNK706211R0000		50	17.42

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.5 ... 6 mm²	26 ... 10 AWG
	Flexible without ferrule	0.5 ... 4 mm²	
	Flexible with non insulated ferrule	0.5 ... 4 mm²	26 ... 12 AWG
	Flexible with insulated ferrule	0.5 ... 4 mm²	26 ... 12 AWG
2 conductors per clamp	Flexible with twin ferrule	0.5 ... 1 mm²	26 ... 18 AWG
Rated current / Rated cross section		32 A / 4 mm²	30 A / 10 AWG
Max. current / Max. cross section		39 A / 6mm²	
Rated short-time withstand current (1s)		480 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		800 V	300 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		550 V 26 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/IIC/IIIC	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		12.5 mm 0.492 in
Tool (for flexible conductor without ferrule)		Flat screwdriver Ø 3.5 mm Ø 0.138 in

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors).All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

CE CB RoHS USR CNR CSA EAC Ex ATEX IECEx BV DNV

Accessories



	Description			Color	Type	Part Number		Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAZH1	1SNK900102R0000		20	24.00
2	**End sections**	2 mm	0.059 in	Dark grey	EK4-D2	1SNK706960R0000		20	3.79
3	**Jumper bars**	2 poles	41 A (IEC)	Orange	JB6-2	1SNK906302R0000		50	1.30
		3 poles	41 A (IEC)		JB6-3	1SNK906303R0000		50	2.10
		4 poles	41 A (IEC)		JB6-4	1SNK906304R0000		50	2.90
		5 poles	41 A (IEC)		JB6-5	1SNK906305R0000		50	3.60
		10 poles	41 A (IEC)		JB6-10	1SNK906310R0000		20	7.40
		50 poles	41 A (IEC)		JB6-50	1SNK906350R0000		10	38.10
4	**Test adapters**	For test plugs DIA 2 mm 0.079 in		Dark grey	TP2	1SNK900203R0000		20	1.70
		For test plugs DIA 4 mm 0.157 in			TP4	1SNK900205R0000		20	2.40
5	**Test connectors**	5.2 mm 0.205 in spacing		Dark grey	TC5	1SNK900200R0000		10	5.20
		End module, 5.2 mm 0.205 in			TC5-R1	1SNK900201R0000		10	5.20
6	**Spacers**	0.8mm	0.031 in	Dark grey	ES-TC6	1SNK900105R0000		10	0.80
7	**Shield connectors**				SHB	1SNK900602R0000		20	4.90
8	**Label holders**			Dark grey	LH-J	1SNK900606R0000		100	0.73
9	**Terminal block markers**	Blank card			MC612	1SNK150000R0000		22	10.00
					MC612PA	1SNK159999R0000		20	11.00
		Universal wire markers holder		Grey	UMH	1SNK900611R0000		10	0.20

Complete list of accessories is indicated in the terminal block datasheet including end stops. Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.

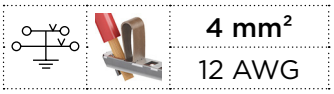


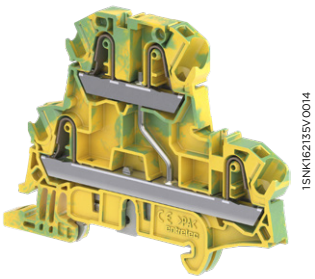
Ground PI-Spring terminal blocks

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Profile aligned with ZK4-D2 and ZK4-D1	Green-yellow	ZK4-D1-PE	1SNK706250R0000		20	21.75

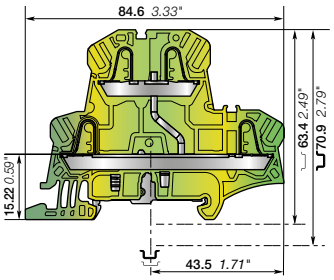
ZK4-D1-PE PI-Spring terminal blocks

Double deck with 1 ground circuit - 6 mm 0.236 in spacing





ZK4-D1-PE



6 mm 0.236 in spacing

Description

- Improve the safety of your installation in the event of a short-circuit thanks to our screwless rail contact:
- Rail contact non operator dependent,
- Performances above the requirements of the IEC 60947-7-2 terminal block standard,
- Secured snap on or off the rail,
- Profile aligned with ZK4-D2 and ZK4-D1.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	1 ground circuit	Green-yellow	ZK4-D1-PE	1SNK706250R0000		20	21.75

Main technical data

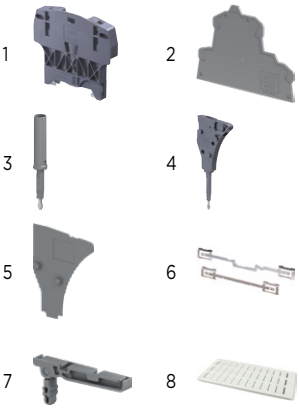
Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.5 ... 6 mm²	26 ... 10 AWG
	Flexible without ferrule	0.5 ... 4 mm²	
	Flexible with non insulated ferrule	0.5 ... 4 mm²	26 ... 12 AWG
	Flexible with insulated ferrule	0.5 ... 4 mm²	26 ... 12 AWG
2 conductors per clamp	Flexible with twin ferrule	0.5 ... 1 mm²	26 ... 18 AWG
Rated cross section		4 mm²	10 AWG
Rated short-time withstand current (1s)		480 A	636 A
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/IIC/IIIC – Class I, Zone 1, AEx e II, Ex e II U	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		12 mm 0.492 in
Tool (for flexible conductor without ferrule)		Flat screwdriver Ø 3.5 mm Ø 0.138 in

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors).All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

CE · CB · RoHS · USR CNR · CSA · EAC Ex · ATEX · IECEx · BV · DNV



Accessories

	Description			Color	Type	Part Number		Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAZH1	1SNK900102R0000		20	24.00
2	**End sections**	2 mm	0.079 in	Dark grey	EK4-D2	1SNK706960R0000		20	3.79
3	**Test adapters**	For test plugs DIA 2 mm 0.079 in		Dark grey	TP2	1SNK900203R0000		20	1.70
		For test plugs DIA 4 mm 0.157 in			TP4	1SNK900205R0000		20	2.40
4	**Test connectors**	5.2 mm 0.205 in spacing		Dark grey	TC5	1SNK900200R0000		10	5.20
		End module, 5.2 mm 0.205 in			TC5-R1	1SNK900201R0000		10	5.20
5	**Spacers**	0.8mm	0.031 in	Dark grey	ES-TC6	1SNK900105R0000		10	0.80
6	**Shield connectors**				SHB	1SNK900602R0000		20	4.90
7	**Label holders**			Dark grey	LH-J	1SNK900606R0000		100	0.73
8	**Terminal block markers**	Blank card			MC612	1SNK150000R0000		22	10.00
					MC612PA	1SNK159999R0000		20	11.00
		Universal wire markers holder		Grey	UMH	1SNK900611R0000		10	0.20

Complete list of accessories is indicated in the terminal block datasheet including end stops.
Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.

te.com

© 2022 TE Connectivity Ltd. family of companies. All Rights Reserved.

ENTRELEC, TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any changes to the information contained herein without prior notice. TE Connectivity assumes only those obligations set forth in the terms and conditions for this product and shall in no event be liable for any incidental, indirect, or consequential damages arising out of the sale, resale, use, or misapplication of the product. TE expressly disclaims any implied warranties with respect to the information contained herein, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. Dimensions, specifications and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications and/or information. Users of TE Connectivity products must make their own assessment as to whether the respective product is suitable for the respective desired application.

BROCHURE

TE Connectivity

3, rue Jean Perrin

69687 Chassieu cedex

France

Tel: +33 481923100

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

440133-5 1-179552-3 3-1393225-0 5053294053 EDS04SGRNTR04Q 4-1393240-8 ROX9J43K
3430A3F3R0TDF 485893-6 640445-8 ROX9J5K1 1379659-5 350425-1 B8965CN 1-1670990-1 179464-1
3430A2F510KTDF ROX9J120R SMW71K0JT 292130-3 CRG0805F68R RPQ-3-16 SMF713KJT 178328-5
3430H2F13KTDF 350793-3 ROX9J2K0 2-1969540-8 292254-5 350735-1