3

TE connectivity

TE Connectivity screw clamp technology benefits from 60 years
of experience.
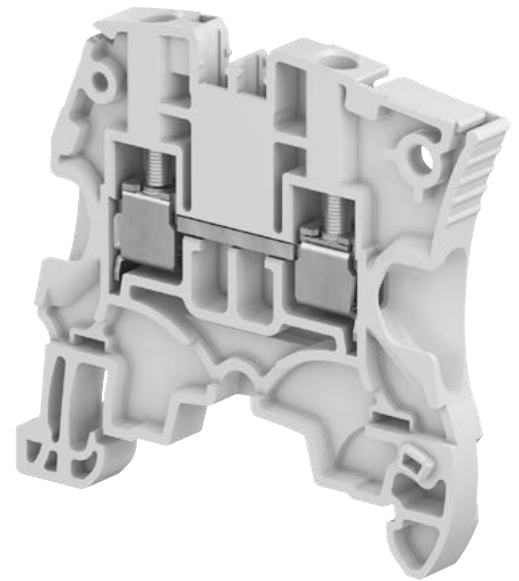
Speed up your projects

An optimized conductor guiding
Smooth connection process up to 2 conductors with or
without ferrules thanks to funnel entry shape.
Also perfectly adapted to double ferrule shape 1
Security: flap avoiding the insertion of cable underneath the
clamp 2 .
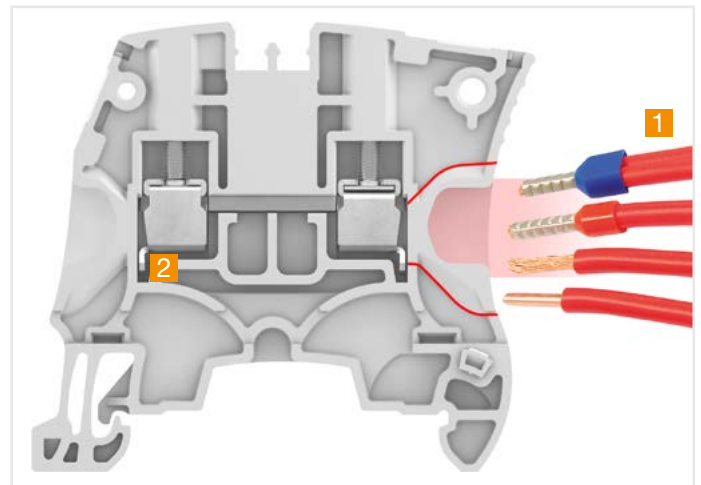
Engineered conductor entry

Better project identification
– Circuit identification is improved thanks to the 20% larger
marking area
– Pre-mark by hand or with label on our flat marking surface
and start immediately the wiring, before the final markers
mounting
– Spare markers re-printing in case of modifications.
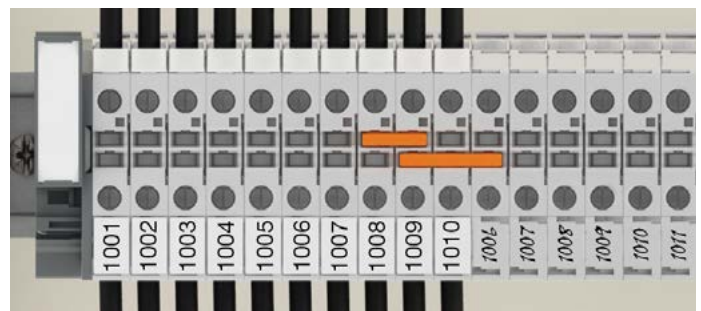
Clear circuit identification

1SNK161092S0201

Easy to install

Smart design facilitating assembly process.
Mounting, wiring, testing… made easy.

Avoid mounting and wiring errors: asymmetrical design allows immediate visual check in case of reversed terminal blocks.
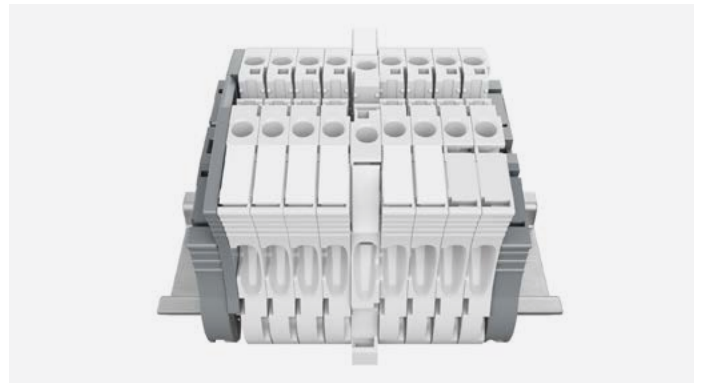
Asymmetrical design avoids mounting error

Minimize retightening campaigns
High torque resistance : the clamp is punched to increase the number of threads in contact by 30 % **1**.
The TE Connectivity exclusive anti-release system creates a controlled locking-screw effect reinforced by the 2 overlapping tabs that maintain the clamp parts **2**.
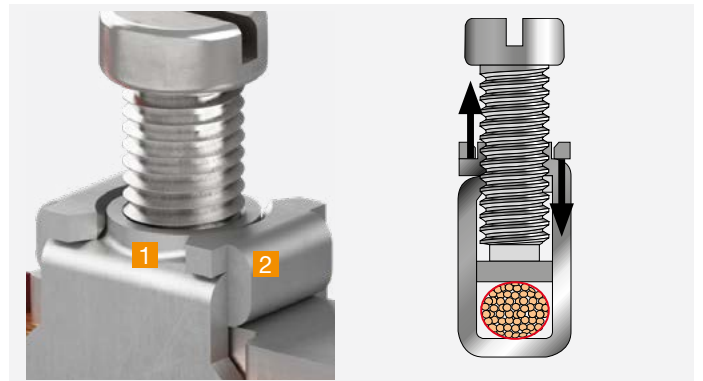
High torque resistance

Anti-release system

Faster accessories mounting
Save up to 70% mounting time thanks to screwless accessories: jumpers, component plugs, test devices, end stops and snap-in ground terminal blocks.

Screwless accessories

Snap-in ground terminal block for rapid installation

3

1SNK161092S0201

Easy to install

Smart design facilitating assembly process.
Mounting, wiring, testing… made easy.

Locking pin **1** allows quick and easy lock up to ten blocks in position at a time.

Closed jumper location allows great stiffness of the terminal block, optimal jumper guiding and avoids deflections while tightening.
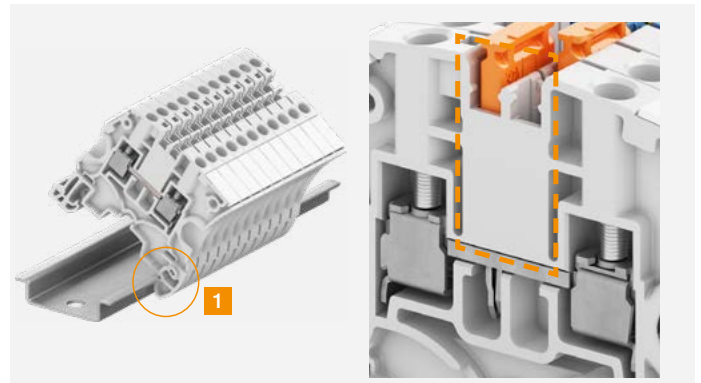
Lock up to ten blocks in position at a time

Closed jumper location for stiffness

Smart accessories

Flexible test solutions from individual insulated test adapter to test connectors for complete assemblies testing.
– Direct plug-in into jumpers channels
– 5, 6, 8 mm spacing, mixing various spacing is possible
– 1000 V rating.

Component holder plugs for series or parallel component mounting (resistors, filters, diodes..).
Can be installed after wiring.
Series plug offers screwless component connection (no soldering).

Plug-in individual test adapter

Plug-in test connector

Series plug associated with disconnect blocks

Parallel plug to be installed between 2 blocks

Smart plug-in jumpers:

Pre-cut poles removable by hand: clean cut.
Insulated up to 1000 V (avoid use of separators).
Predefined shapes in molding to easily identify connected poles with a pen.
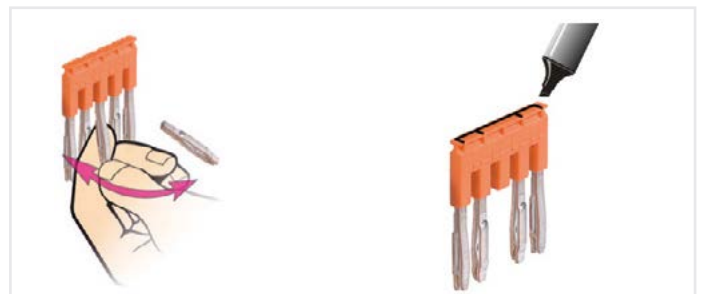
Pre-cut poles easy removable by hand

Predefined shape to identify connected poles

1SNK161092S0201

Optimized logistics

Reduce your accessories inventory by up to 50%

SNK PI-Spring, screw and pluggable ranges share the same accessories.
Reduced packaging adapted to the usage
(20 items packaging for some references).

All end sections and circuit separators fit several types and sizes of blocks.
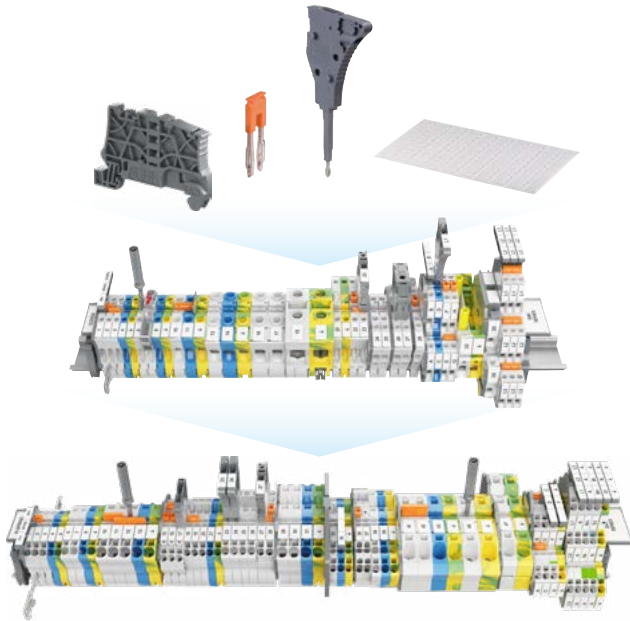
Shared accessories for SNK PI-Spring, screw and pluggable ranges
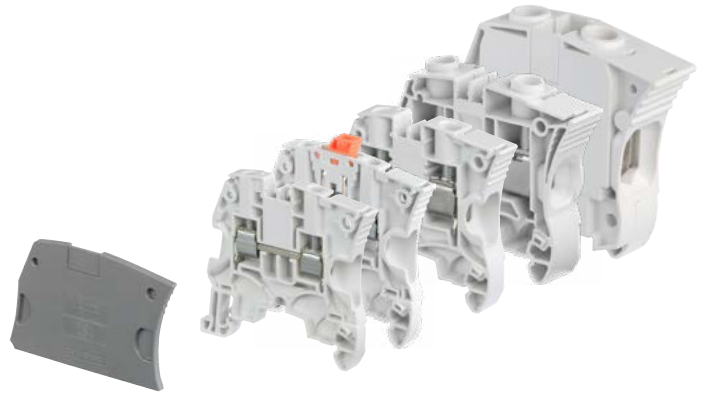
Stock only one end section for managing your assembly up to 240 mm²

Facilitate maintenance operations

Terminals can be individually removed from a terminal assembly equipped with markers:
TE Connectivity markers become independent after strip mounting, TE Connectivity markers remain on terminal in any situation.

Reliable in harsh conditions

Qualified for worldwide markets, applications and for severe environments: vibration, shock, corrosion…
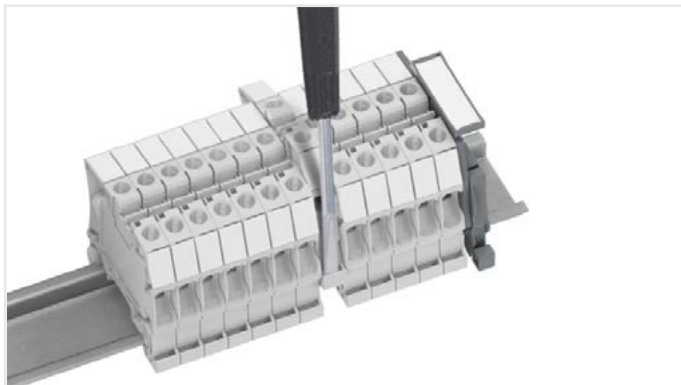
Maintenance operations facilitated

SNK series, terminal blocks
Screw clamp technology - Range overview from 4 to 240 mm² – 10 to 500 Kcmil

2 Connections

Single deck
Feed-through
Ground
Disconnect
Fuse

3 Connections

Single deck
Feed-through
Ground

4 Connections

Single deck
Feed-through
Ground
Disconnect
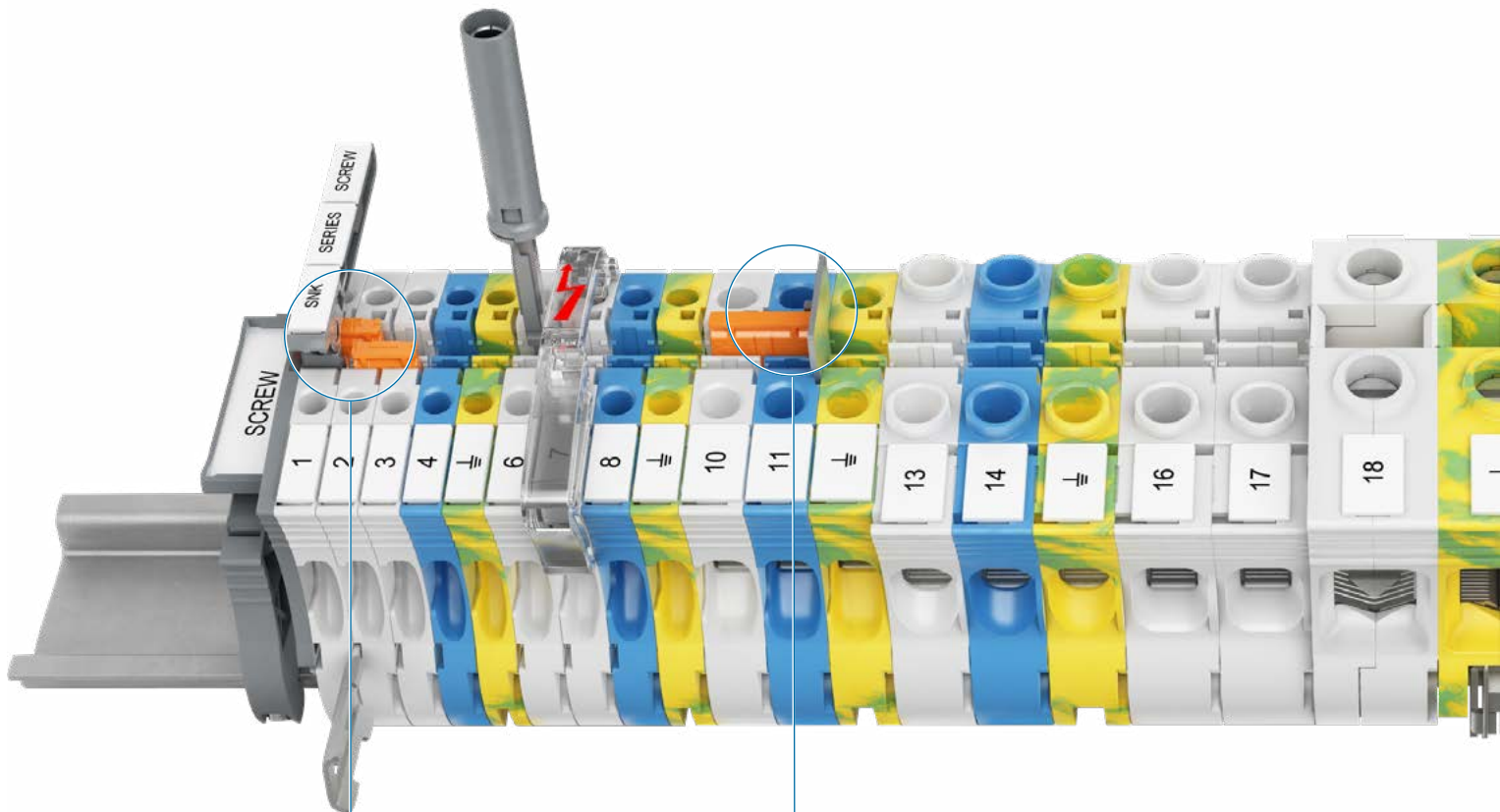
Double central channels
allows multiconfigurations
(jumpering, testing and
measuring)

Circuit separator
without spacing loss

2x2 Connections

Double deck
Feed-through
Ground
Disconnect
Fuse
Component holder

2 Connections

Test and measurement
Feed-through
Ground
Disconnect

3x2 Connections

Triple deck
Feed-through

Plug
component holder

		Feed-through					Ground		
Section		⊙—ᴠᴠ—⊙	⊙ᴠᴠ⟍⟋⊙	⊙⟍⟋ᴠᴠ⊙	⊙—ᴠ—⊙	⊙ᴠ⟍⊙	⊥	⊙⟍ᴠ⟋⊙⊥	⊙⟍ᴠ⟋ᴠ⟋⊙⊥	⊙⊥
4 mm²	12 AWG	ZS4					ZS4-PE			
	10 AWG									
6 mm²	10 AWG	ZS6	ZS6-3S	ZS6-4S			ZS6-PE	ZS6-3S-PE	ZS6-4S-PE	
10 mm²	6 AWG	ZS10					ZS10-PE			
16 mm²	4 AWG	ZS16					ZS16-PE			
25 mm²	3 AWG	ZS25					ZS25-PE			
35 mm²	0 AWG				ZS35					
	2 AWG									ZS35-PE
50 mm²	0 AWG				ZS50					ZS50-PE
70 mm²	00 AWG				ZS70					ZS70-PE
95 mm²	0000 AWG				ZS95					ZS95-PE
150 mm²	350 Kcmil					ZS150				
240 mm²	500 Kcmil					ZS240				

		Disconnect with blade					Disconnect with plug			
Section		⊙⟍⊙	⟍⊤	⟍⊙⟋⊙⟍⟋ᴘᴡᴏ	⊙⟍ᴘᴡᴏ	⟍⊤ᴘᴡᴏ	⊙⊢⊙	⟍⊢⟍	⊙⊢ᴘᴡᴏ	⟍⊢⟍ ᴘᴡᴏ
4 mm²	10 AWG	ZS4-S	ZS4-S-T2		ZS4-S-R1	ZS4-S-T2-R1	ZS4-SP	ZS4-SP-T2	ZS4-SP-R1	ZS4-SP-T2-R1
						ZS4-S-T2.3-R1				
6 mm²	10 AWG	ZS6-S		ZS6-S-4S-T2						
10 mm²	6 AWG	ZS10-S					ZS10-SP			
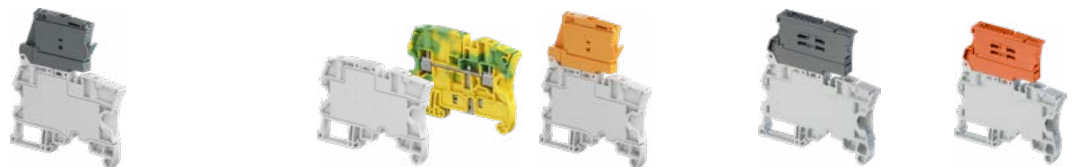
		For 5 x 20 mm fuses				Aligned for marshalling cabinets application			For 6.3 x 32 mm fuses (¼ x 1¼ in)		Aligned
Section		⊙⫽ᴘᴡᴏ	⟍⫽⟍ᴘᴡᴏ	⊙⫽ᴘᴡᴏ	⟍⫽⟍ᴘᴡᴏ	⊙—ᴠ—⊙	⊥	⊙⟋ᴘᴡᴏ	⊙⫽ᴘᴡᴏ	⊙⫽ᴘᴡᴏ	⊙⟋ᴘᴡᴏ
4 mm²	10 AWG	ZS4-SF	ZS4-SF-T2	ZS4-SF-R1	ZS4-SF-R2	ZS4-R2	ZS4-PE-R2	ZS4-S-R2			
				ZS4-SF-R3	ZS4-SF-R4						
10 mm²	6 AWG								ZS10-SF	ZS10-SF-R1	ZS10-S-R2
										ZS10-SF-R3	

⊙	Clamp -	v	Channels for jumpering or testing -	Y	Test socket -	⌐◉⌐	Blown-fuse indicator

1SNK161066S0201
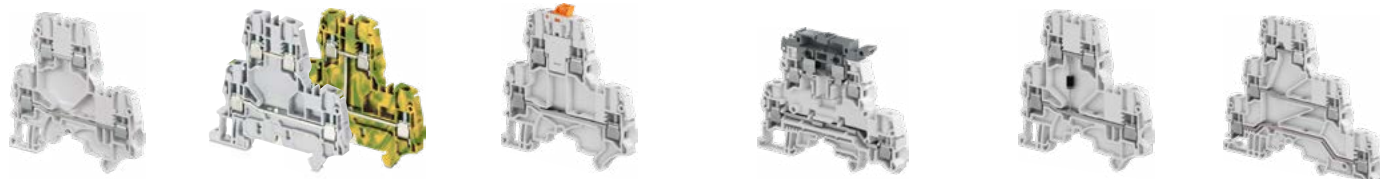
Double deck										Triple deck
Feed-through		Ground		Disconnect with blade		For 5 x 20 mm and 5 x 25 mm fuses		Component holder		Feed-through
ZS4-D2	ZS4-D1							ZS4-D-CH-UD	ZS4-D-CH-DU	ZS4-T3
				ZS4-D2-S	ZS4-D2-S-T2	ZS4-D2-SF1	ZS4-D2-SF1-R1			ZS4-T3-R1
							ZS4-D2-SF-R3			
ZS6-D2	ZS6-D1	ZS6-D2-PE	ZS6-D1-PE							

Test & measurement			
Test disconnect with sliding link		Aligned with ZS10-ST	
ZS10-ST	ZS10-ST-T4 ZS10-ST-1	ZS10-R1	ZS10-PE-R1

For 5 x 20 mm and 5 x 25 mm fuses				Feed-through aligned with ZS4-SF1	
ZS4-SF1	ZS4-SF1-T2	ZS4-SF1-R1 ZS4-SF1-R3	ZS4-SF1-R2 ZS4-SF1-R4	ZS4-R1	ZS4-S-R3

TE connectivity

ZS4 screw clamp terminal blocks
Feed-through - 5.2 mm 0.205 in spacing
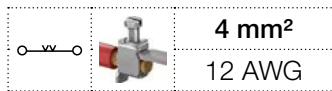
4 mm²
12 AWG

ZS4

53 *2.09"*

56.3 *2.22"*   **48.8** *1.92"*

26.7 *1.05"*

5.2 mm 0.205 in spacing

1SNK161001F0014
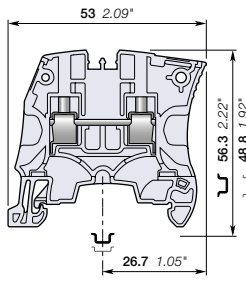
Description
– Save space by connecting conductors up to 4 mm² (without insulated ferrule, CB certified) 12 AWG in just 5.2 mm 0.205 in spacing,
– Perfectly adapted to solar applications: voltage is rated 1000 V AC / DC IEC.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Feed-through	Grey	ZS4	1SNK505010R0000	50	8.80
	Blue	ZS4-BL	1SNK505020R0000	50	8.80
	Orange	ZS4-OR	1SNK505030R0000	50	8.80
	Yellow	ZS4-YL	1SNK505060R0000	50	8.80
	Green	ZS4-GN	1SNK505061R0000	50	8.80
	Red	ZS4-RD	1SNK505062R0000	50	8.80
	Purple	ZS4-PR	1SNK505063R0000	50	8.80
	Brown	ZS4-BR	1SNK505064R0000	50	8.80
	White	ZS4-WH	1SNK505065R0000	50	8.80
	Black	ZS4-BK	1SNK505066R0000	50	8.80

Main technical data

Connecting capacity

		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 12 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		32 A / 4 mm²	20 A / 12 AWG
Rated short-time withstand current (1s)		480 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		693 V 32 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC – 600 V 20 A UL 60079-7 - Class I, Zone 1, AEx e II, Ex e II U	

The connecting capacity data for one Rigid - Solid / Stranded - 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

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

CE | CB | RoHS | USR CNR | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | BV | DNV | Rina

Accessories

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey	ES4	1SNK505910R0000	20	2.20
3	**Jumper bars**	2 poles	32 A (IEC)	Orange	JB5-2	1SNK905302R0000	50	1.30
		3 poles	32 A (IEC)		JB5-3	1SNK905303R0000	50	2.00
		4 poles	32 A (IEC)		JB5-4	1SNK905304R0000	50	2.70
		5 poles	32 A (IEC)		JB5-5	1SNK905305R0000	50	3.50
		10 poles	32 A (IEC)		JB5-10	1SNK905310R0000	30	7.10
		50 poles	32 A (IEC)		JB5-50	1SNK905350R0000	10	36.00
4	**Cross spacing jumpers**	3 poles	32 A (IEC)	Orange	JB85-3	1SNK900603R0000	10	2.80
5	**Circuit separators**	0 mm	0 in	Dark grey	CS	1SNK900101R0000	20	0.20
		3 mm	0.118 in		CS-R1	1SNK900103R0000	20	5.20
6	**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
7	**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
8	**Shield connectors**				SHBS	1SNK900600R0000	20	3.50
9	**Protecting covers**	5.2 mm 0.205 in spacing		Transparent	PL5	1SNK900618R0000	10	1.50
10	**Terminal block markers**	Blank marker		White	MG-CPM 13 41790	1SNB041790R0512	1960	0.23
		Blank card			MC512	1SNK140000R0000	22	9.00
					MC512PA	1SNK149999R0000	20	10.00
		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 screw clamp terminal blocks

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Ground	Profile aligned with ZS4	Green-yellow	ZS4-PE	1SNK505150R0000	20	12.10

Technical data valid for copper conductors only.

1SNK161001S0201

TE connectivity

3

ZS6 screw clamp terminal blocks
Feed-through - 6 mm 0.236 in spacing
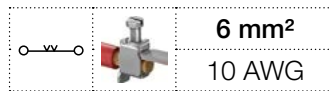
6 mm²
10 AWG

ZS6
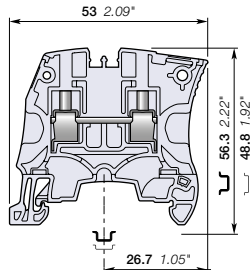
6 mm 0.236 in spacing

Description
Save space by connecting conductors up to 6 mm² (without insulated ferrule, CB certified) 10 AWG in just 6 mm 0.236 in spacing,
– Perfectly adapted to solar applications: voltage is rated 1000 V AC / DC IEC.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Feed-through	Grey ⬜	ZS6	1SNK506010R0000	50	10.60
	Blue 🟦	ZS6-BL	1SNK506020R0000	50	10.60
	Orange 🟧	ZS6-OR	1SNK506030R0000	50	10.60
	Yellow 🟨	ZS6-YL	1SNK506060R0000	50	10.60
	Green 🟩	ZS6-GN	1SNK506061R0000	50	10.60
	Red 🟥	ZS6-RD	1SNK506062R0000	50	10.60
	Purple 🟪	ZS6-PR	1SNK506063R0000	50	10.60
	Brown 🟫	ZS6-BR	1SNK506064R0000	50	10.60
	White ⬜	ZS6-WH	1SNK506065R0000	50	10.60
	Black ⬛	ZS6-BK	1SNK506066R0000	50	10.60

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 … 6 mm²	24 … 10 AWG
	Flexible	0.2 … 6 mm²	
	with non insulated ferrule	0.22 … 4 mm²	24 … 12 AWG
	with insulated ferrule	0.22 … 4 mm²	24 … 12 AWG
	Gauge	A4-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 … 2.5 mm²	24 … 14 AWG
	Flexible	0.2 … 2.5 mm²	
	with twin ferrule	0.22 … 2.5 mm²	24 … 14 AWG
Rated current / Rated cross section		41 A / 6 mm²	30 A / 10 AWG
Rated short-time withstand current (1s)		720 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		693 V 41 A IEC/EN 60079-7 – IM2 II 2 GD Ex eb I/II/IIIC – 600 V 30 A UL 60079-7 – Class I, Zone 1, AEx e II, Ex e II U	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.85 Nm ± 0.15 7.52 lb.in ± 1.33

The connecting capacity data for one Rigid - Solid / Stranded - 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 | BR-Ex e II | Haz Loc | BV | DNV | Rina

Accessories

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	End stops	10 mm	0.394 in	Dark grey ⬛	BAM4	1SNK900001R0000	50	14.00
2	End sections	2.2 mm	0.087 in	Dark grey ⬛	ES4	1SNK505910R0000	20	2.20
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	Cross spacing jumpers	3 poles	32 A (IEC)	Orange 🟧	JB85-3	1SNK900603R0000	10	2.80
5	Circuit separators	0 mm	0 in	Dark grey ⬛	CS	1SNK900101R0000	20	0.20
		3 mm	0.118 in		CS-R1	1SNK900103R0000	20	5.20
6	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
7	Test connectors	End module, 5.2 mm 0.205 in		Dark grey ⬛	TC5-R1	1SNK900201R0000	10	5.20
8	Spacers	0.8 mm	0.031 in	Dark grey ⬛	ES-TC6	1SNK900105R0000	10	0.80
9	Shield connectors				SHBS	1SNK900600R0000	20	3.50
10	Protecting covers	6 mm 0.236 in spacing		Transparent ◻	PL6	1SNK900619R0000	10	1.80
11	Terminal block markers	Blank marker		White ⬜	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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 screw clamp terminal blocks

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Ground	Profile aligned with ZS6	Green-yellow 🟩🟨	ZS6-PE	1SNK506150R0000	20	13.70

Technical data valid for copper conductors only.

3

1SNK16101 1F0014

1SNK161008S0201

TE connectivity

ZS6-3S screw clamp terminal blocks
Feed-through with 3 connections - 6 mm 0.236 in spacing

6 mm²
10 AWG

1SNK1610750V0014

ZS6-3S

62 2.44"

57.2 2.25" 49.7 1.96"

35.65 1.40"
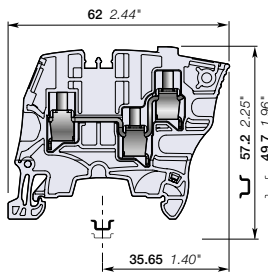
6 mm 0.236 in spacing

Description

– Recommended for energy markets and highly demanding applications requiring that only one conductor be connected per clamp,
– These blocks offer a high density connecting capacity (up to 3 connections) in a low profile and just 6 mm 0.236 in spacing.

Ordering details

Description	Color		Type	Part Number		Pkg qty	Weight (1 pce) **g**
Feed-through	Grey	⬜	ZS6-3S	1SNK506011R0000		50	11.80
	Blue	🟦	ZS6-3S-BL	1SNK506021R0000		50	11.80
	Yellow	🟨	ZS6-3S-YL	1SNK506067R0000		50	11.80

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 6 mm²	24 ... 10 AWG
	Flexible	0.22... 6 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A4-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 2.5 mm²	24 ... 14 AWG
	Flexible	0.2 ... 2.5 mm²	
	with twin ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
Rated current / Rated cross section		32 A / 4 mm²	30 A / 10 AWG
Maximum current / Maximum cross section		39 A / 6 mm²	
Rated short-time withstand current (1s)		480 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		800 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		550 V 29 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIC – 600 V 30 A	

The connecting capacity data for one Rigid - Solid / Stranded - 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 | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | BV | DNV |

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.413 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.75 Nm ± 0.05 6.64 lb.in ± 0.443

Accessories

	Description			Color		Type	Part Number	Pkg qty	Weight (1 pce) **g**
1	End stops	10 mm	0.394 in	Dark grey	⬛	BAM4	1SNK900001R0000	50	14.00
2	End sections	2.2 mm	0.087 in	Dark grey	⬛	ES6-3S	1SNK505912R0000	20	2.50
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	Cross spacing jumpers	3 poles	32 A (IEC)	Orange	🟧	JB85-3	1SNK900603R0000	10	2.80
5	Circuit separators	0 mm	0 in	Dark grey	⬛	CS	1SNK900101R0000	20	0.20
		3 mm	0.118 in			CS-R1	1SNK900103R0000	20	5.20
6	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
7	Test connectors	End module, 5.2 mm 0.205 in		Dark grey	⬛	TC5-R1	1SNK900201R0000	10	5.20
8	Spacers	0.8 mm	0.031 in	Dark grey	⬛	ES-TC6	1SNK900105R0000	10	0.80
9	Terminal block markers	Blank marker		White	⬜	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
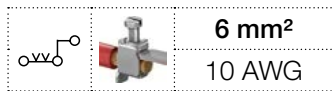
Ground screw clamp terminal blocks

Description		Color		Type	Part Number		Pkg qty	Weight (1 pce) **g**
Ground	Profile aligned with ZS6-3S	Green-yellow	🟩🟨	ZS6-3S-PE	1SNK506151R0000		25	16.20

Technical data valid for copper conductors only.

1SNK161067SO201

TE connectivity

ZS6-4S screw clamp terminal blocks
Feed-through with 4 connections - 6 mm 0.236 in spacing

6 mm²
10 AWG

1SNK161078V0014

ZS6-4S

72.7 *2.86"*

57.2 *2.25"*
49.7 *1.96"*

35.65 *1.29"*
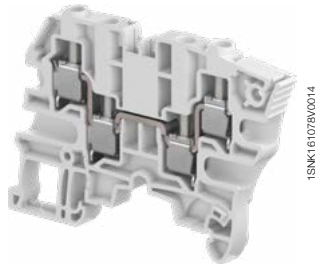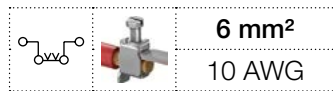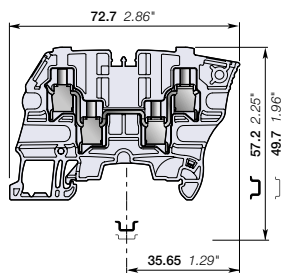
6 mm 0.236 in spacing

Description

– High density wiring (one potential distribution on 4 independent screw clamps) in a very low profile and just 6 mm 0.236 in spacing,
– Recommended for energy markets and highly demanding applications requiring that only one conductor be connected per clamp.

Ordering details

Description	Color		Type	Part Number		Pkg	Weight
						qty	(1 pce) **g**
Feed-through	Grey	☐	ZS6-4S	1SNK506012R0000		50	15.00
	Blue	☐	ZS6-4S-BL	1SNK506022R0000		50	15.00
	Yellow	☐	ZS6-4S-YL	1SNK506068R0000		50	15.00

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 6 mm²	24 ... 10 AWG
	Flexible	0.22... 6 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A4-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 2.5 mm²	24 ... 14 AWG
	Flexible	0.2 ... 2.5 mm²	
	with twin ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
Rated current / Rated cross section		32 A / 4 mm²	30 A / 10 AWG
Maximum current / Maximum cross section		39 A / 6 mm²	
Rated short-time withstand current (1s)		480 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		800 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		550 V 29 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC – 600 V 30 A	

The connecting capacity data for one Rigid - Solid / Stranded - 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	CSA	EAC Ex	ATEX	IECEx	BR-Ex e II	Haz Loc	BV	DNV

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.413 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.75 Nm ± 0.05 6.64 lb.in ± 0.443

Accessories

	Description			Color		Type	Part Number	Pkg	Weight
								qty	(1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey	☐	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey	☐	ES6-4S	1SNK505911R0000	20	3.10
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	**Cross spacing jumpers**	3 poles	32 A (IEC)	Orange	☐	JB85-3	1SNK900603R0000	10	2.80
5	**Circuit separators**	0 mm	0 in	Dark grey	☐	CS	1SNK900101R0000	20	0.20
		3 mm	0.118 in			CS-R1	1SNK900103R0000	20	5.20
6	**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
7	**Test connectors**	End module, 5.2 mm 0.205 in		Dark grey	☐	TC5-R1	1SNK900201R0000	10	5.20
8	**Spacers**	0.8 mm	0.031 in	Dark grey	☐	ES-TC6	1SNK900105R0000	10	0.80
9	**Terminal block markers**	Blank marker		White	☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.

1 2
3 4
5 6
7 8
9

Ground screw clamp terminal blocks

Description	Color		Type	Part Number		Pkg	Weight
						qty	(1 pce) **g**
Ground	Profile aligned with ZS6-4S	Green-yellow	☐	ZS6-4S-PE	1SNK506152R0000	25	19.40

Technical data valid for copper conductors only.

3

1SNK161068S0201

TE connectivity

ZS10 screw clamp terminal blocks
Feed-through - 8 mm 0.315 in spacing

10 mm²
6 AWG

ZS10

53 *2.09"*

56.3 *2.22"* / 48.8 *1.92"*

26.7 *1.05"*

8 mm 0.315 in spacing

1SNK161008F0014
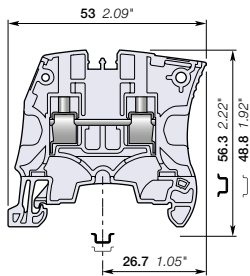
Description

– Save space by connecting conductors up to 10 mm² (without insulated ferrule, CB certified) 6 AWG in just 8 mm 0.315 in spacing,
– Perfectly adapted to solar applications: voltage is rated 1000 V AC / DC IEC.

Ordering details

Description	Color	Type	Part Number		Pkg qty	Weight (1 pce) **g**
Feed-through	Grey	ZS10	1SNK508010R0000		50	14.10
	Blue	ZS10-BL	1SNK508020R0000		50	14.10
	Orange	ZS10-OR	1SNK508030R0000		50	14.10
	Yellow	ZS10-YL	1SNK508060R0000		50	14.10
	Green	ZS10-GN	1SNK508061R0000		50	14.10
	Red	ZS10-RD	1SNK508062R0000		50	14.10
	Purple	ZS10-PR	1SNK508063R0000		50	14.10
	Brown	ZS10-BR	1SNK508064R0000		50	14.10
	White	ZS10-WH	1SNK508065R0000		50	14.10
	Black	ZS10-BK	1SNK508066R0000		50	14.10

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.5 ... 10 mm²	24 ... 6 AWG
	Flexible	0.5 ... 10 mm²	
	with non insulated ferrule	0.5 ... 10 mm²	24 ... 8 AWG
	with insulated ferrule	0.5 ... 6 mm²	24 ... 10 AWG
	Gauge	A5-B5	
2 conductors per clamp	Rigid - Solid / Stranded	0.5 ... 4 mm²	20 ... 12 AWG
	Flexible	0.5 ... 4 mm²	
	with twin ferrule	0.5 ... 4 mm²	20 ... 12 AWG
Rated current / Rated cross section		57 A / 10 mm²	42 A / 6 AWG
Rated short-time withstand current (1s)		1200 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		693 V 57 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC – 600 V 42 A UL 60079-7 - Class I, Zone 1, AEx e II, Ex e II U	

The connecting capacity data for one Rigid - Solid / Stranded - 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

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		12 mm 0.472 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		1.3 Nm ± 0.3 11.5 lb.in ± 2.65

CE | CB | RoHS | USR CNR | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | BV | DNV | Rina

Accessories

	Description			Color	Type	Part Number		Pkg qty	Weight (1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey	BAM4	1SNK900001R0000		50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey	ES4	1SNK505910R0000		20	2.20
3	**Jumper bars**	2 poles	57 A (IEC)	Orange	JB8-2	1SNK908302R0000		50	2.70
		3 poles	57 A (IEC)		JB8-3	1SNK908303R0000		50	4.10
		4 poles	57 A (IEC)		JB8-4	1SNK908304R0000		50	5.60
		5 poles	57 A (IEC)		JB8-5	1SNK908305R0000		40	7.00
		10 poles	57 A (IEC)		JB8-10	1SNK908310R0000		20	14.20
4	**Cross spacing jumpers**	3 poles	32 A (IEC)	Orange	JB85-3	1SNK900603R0000		10	2.80
5	**Circuit separators**	0 mm	0 in	Dark grey	CS	1SNK900101R0000		20	0.20
		3 mm	0.118 in		CS-R1	1SNK900103R0000		20	5.20
6	**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
7	**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
8	**Spacers**	2.8 mm	0.110 in	Dark grey	ES-TC8	1SNK900104R0000		10	1.40
9	**Protecting covers**	8 mm 0.315 in spacing		Transparent	PL8	1SNK900620R0000		10	2.60
10	**Terminal block markers**	Blank marker		White	MG-CPM 13 41791	1SNB041791R0612		1680	0.27
		Blank card			MC812	1SNK160000R0000		22	10.00
					MC812PA	1SNK169999R0000		20	14.00
		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.
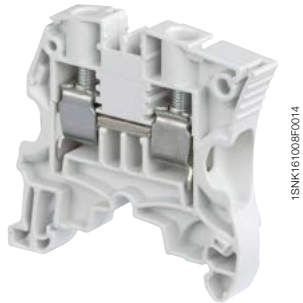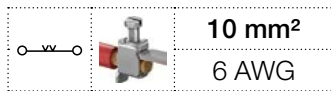
Ground screw clamp terminal blocks

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) **g**
Ground	Profile aligned with ZS10	Green-yellow	ZS10-PE	1SNK508150R0000		20	22.50

Technical data valid for copper conductors only.

1SNK161004S0201

3

TE connectivity

ZS16 screw clamp terminal blocks
Feed-through - 10 mm 0.394 in spacing
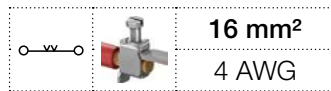
16 mm²
4 AWG

1SNK161006F0014

ZS16

56.1 *2.21"*

57.8 *2.28"* 50.3 *1.98"*

29.8 *1.17"*
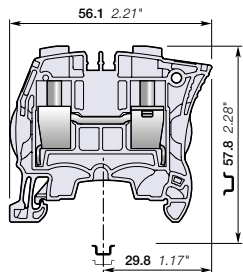
10 mm 0.394 in spacing

Description

– Save space by connecting conductors up to 16 mm² (without insulated ferrule, CB certified) 4 AWG in just 10 mm 0.394 in spacing,
– Perfectly adapted to solar applications: voltage is rated 1000 V AC / DC IEC.

Ordering details

Description	Color		Type	Part Number		Pkg qty	Weight (1 pce) g
Feed-through	Grey		ZS16	1SNK510010R0000		25	20.20
	Blue		ZS16-BL	1SNK510020R0000		25	20.20
	Orange		ZS16-OR	1SNK510030R0000		25	20.20

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.5 ... 16 mm²	24 ... 4 AWG
	Flexible	0.5 ... 16 mm²	
	with non insulated ferrule	0.5 ... 16 mm²	24 ... 4 AWG
	with insulated ferrule	0.5 ... 10 mm²	24 ... 8 AWG
	Gauge	A6-B6	
2 conductors per clamp	Rigid - Solid / Stranded	0.5 ... 6 mm²	20 ... 10 AWG
	Flexible	0.5 ... 6 mm²	
	with twin ferrule	0.5 ... 6 mm²	20 ... 10 AWG
Rated current / Rated cross section		76 A / 16 mm²	67 A / 4 AWG
Rated short-time withstand current (1s)		1920 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		693 V 76 A IEC/EN 60079-7 – IM2 II 2 GD Ex eb I/II/IIIC – 600 V 67 A UL 60079-7 - Class I, Zone 1, AEx e II, Ex e II U	

The connecting capacity data for one Rigid - Solid / Stranded - 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

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		13.5 mm 0.531 in
Tool		Flat screwdriver Ø 5.5 mm Ø 0.217 in
Torque		1.8 Nm ± 0.2 15.9 lb.in ± 1.77

CE | CB | RoHS | USR CNR | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | BV | DNV | Rina

Accessories

	Description			Color		Type	Part Number	Pkg qty	Weight (1 pce) g
1	End stops	10 mm	0.394 in	Dark grey		BAM4	1SNK900001R0000	50	14.00
2	End sections	2.2 mm	0.087 in	Dark grey		ES4	1SNK505910R0000	20	2.20
3	Jumper bars	2 poles	76 A (IEC)	Orange		JB10-2	1SNK910302R0000	50	4.60
		3 poles	76 A (IEC)			JB10-3	1SNK910303R0000	50	7.10
		4 poles	76 A (IEC)			JB10-4	1SNK910304R0000	40	9.40
		5 poles	76 A (IEC)			JB10-5	1SNK910305R0000	30	12.00
		10 poles	76 A (IEC)			JB10-10	1SNK910310R0000	20	24.00
4	Cross spacing jumpers	3 poles	32 A (IEC)	Orange		JB85-3	1SNK900603R0000	10	2.80
5	Circuit separators	0 mm	0 in	Dark grey		CS	1SNK900101R0000	20	0.20
		3 mm	0.118 in			CS-R1	1SNK900103R0000	20	5.20
6	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
7	Protecting covers	10 mm 0.394 in spacing		Transparent		PL10	1SNK900621R0000	10	3.10
8	Terminal block markers	Blank marker		White		MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card				MC812	1SNK160000R0000	22	10.00
						MC812PA	1SNK169999R0000	20	14.00
		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.
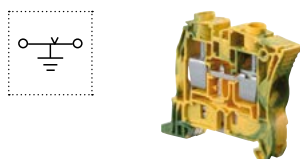
Ground screw clamp terminal blocks

Description		Color		Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Profile aligned with ZS16	Green-yellow		ZS16-PE	1SNK510150R0000		20	32.00

Technical data valid for copper conductors only.

1SNK161017S0201

TE connectivity

3

ZS25 screw clamp terminal blocks
Feed-through - 12 mm 0.472 in spacing

25 mm²
3 AWG

ZS25

56.1 *2.21"*

57.8 *2.28"*
50.3 *1.98"*

29.8 *1.17"*

12 mm 0.472 in spacing

3

1SNK16108IV0014
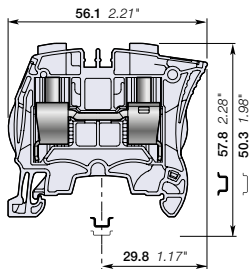
Description

– Save space by connecting conductors up to 25 mm² (without insulated ferrule, CB certified) 3 AWG in just 12 mm 0.472 in spacing,
– Perfectly adapted to solar applications: voltage is rated 1000 V AC / DC IEC.

Ordering details

Description		Color		Type	Part Number		Pkg qty	Weight (1 pce) **g**
Feed-through		Grey	▢	ZS25	1SNK512010R0000		25	21.40
		Blue	▢	ZS25-BL	1SNK512020R0000		25	21.40
		Yellow	▢	ZS25-YL	1SNK512060R0000		25	21.40

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.5 ... 25 mm²	24 ... 3 AWG
	Flexible	0.5 ... 25 mm²	
	with non insulated ferrule	0.5 ... 16 mm²	24 ... 4 AWG
	with insulated ferrule	0.5 ... 16 mm²	24 ... 8 AWG
	Gauge	A6-B6	
2 conductors per clamp	Rigid - Solid / Stranded	0.5 ... 10 mm²	20 ... 10 AWG
	Flexible	0.5 ... 10 mm²	
	with twin ferrule	0.5 ... 10 mm²	20 ... 10 AWG
Rated current / Rated cross section		76 A / 16 mm²	100 A / 3 AWG
Maximum current / Maximum cross section		101 A / 25 mm²	
Rated short-time withstand current (1s)		1920 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP20	NEMA 1
Increased safety Ex e		693 V 69 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC – 600 V 100 A	

The connecting capacity data for one Rigid - Solid / Stranded - 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 | BR-Ex e II | Haz Loc | BV | DNV

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		13.5 mm 0.531 in
Tool		Flat screwdriver Ø 5.5 mm Ø 0.217 in
Torque		1.8 Nm ± 0.2 15.9 lb.in ± 1.77

Accessories

	Description			Color		Type	Part Number		Pkg qty	Weight (1 pce) **g**
1	End stops	10 mm	0.394 in	Dark grey	▪	BAM4	1SNK900001R0000		50	14.00
2	End sections	2.2 mm	0.087 in	Dark grey	▪	ES4	1SNK505910R0000		20	2.20
3	Jumper bars	2 poles	76 A (IEC)	Orange	▪	JB12-2	1SNK912302R0000		50	4.90
		3 poles	76 A (IEC)			JB12-3	1SNK912303R0000		50	7.60
		5 poles	76 A (IEC)			JB12-5	1SNK912305R0000		20	12.90
4	Cross spacing jumpers	3 poles	32 A (IEC)	Orange	▪	JB85-3	1SNK900603R0000		10	2.80
5	Circuit separators	0 mm	0 in	Dark grey	▪	CS	1SNK900101R0000		20	0.20
		3 mm	0.118 in			CS-R1	1SNK900103R0000		20	5.20
6	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
7	Protecting covers	10 mm 0.394 in spacing		Transparent	▢	PL10	1SNK900621R0000		10	3.10
8	Terminal block markers	Blank marker		White	▢	MG-CPM 13 41791	1SNB041791R0612		1680	0.27
		Blank card				MC812	1SNK160000R0000		22	10.00
						MC812PA	1SNK169999R0000		20	14.00
		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.
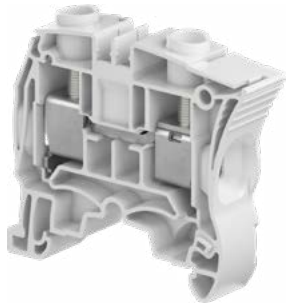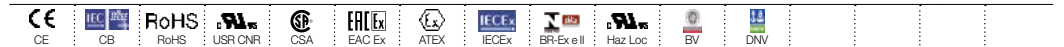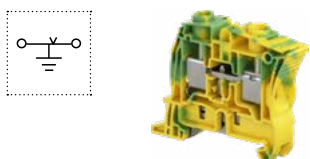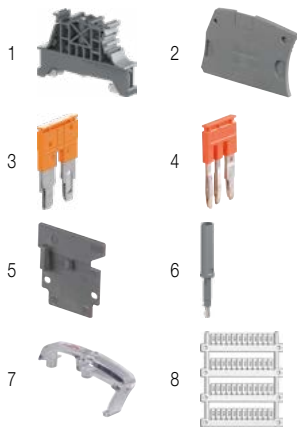
Ground screw clamp terminal blocks

Description		Color		Type	Part Number		Pkg qty	Weight (1 pce) **g**
Ground	Profile aligned with ZS25	Green-yellow	▢	ZS25-PE	1SNK512150R0000		20	38.00

Technical data valid for copper conductors only.

1SNK16107BS0201

TE connectivity

ZS35 screw clamp terminal blocks
Feed-through - 16 mm 0.630 in spacing

35 mm²
0 AWG

ZS35

59 *2.32"*
63.3 *2.49"* 55.8 *2.19"*
34 *1.34"*
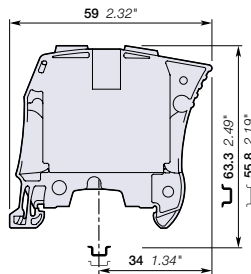
16 mm 0.630 in spacing

Description
Closed terminal block:
– No end section needed,
– Optimized rigidity,
– Perfectly adapted to solar applications: voltage is rated 1000 V AC / DC IEC.

Ordering details

Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) **g**
Feed-through	Closed block	Grey	☐	ZS35	1SNK516010R0000	20	53.40
		Blue	☐	ZS35-BL	1SNK516020R0000	20	53.40
		Orange	☐	ZS35-OR	1SNK516030R0000	20	53.40

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	6 ... 35 mm²	10 ... 0 AWG
	Flexible	6 ... 35 mm²	
	with non insulated ferrule	4 ... 35 mm²	10 ... 2 AWG
	with insulated ferrule	4 ... 35 mm²	10 ... 2 AWG
	Gauge	A9-B9	
2 conductors per clamp	Rigid - Solid / Stranded	6 ... 16 mm²	10 ... 6 AWG
	Flexible	6 ... 16 mm²	
	with twin ferrule	4 ... 10 mm²	12 ... 8 AWG
Rated current / Rated cross section		125 A / 35 mm²	150 A / 0 AWG
Rated short-time withstand current (1s)		4200 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	600 V
Impulse withstand voltage		8000 V	
Protection		IP10	NEMA 1
Increased safety Ex e		693 V 125 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC – 600 V 150 A UL 60079-7 - Class I, Zone 1, AEx e II	

The connecting capacity data for one Rigid - Solid / Stranded - 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
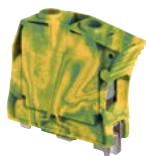
CE CB RoHS USR CSA EAC Ex ATEX IECEx BR-Ex e II Haz Loc BV DNV Rina

Mounting instructions

Rail	TH 35-7.5, TH 35-15
Wire stripping length	17 mm 0.669 in
Tool	Flat screwdriver Ø 6.5 mm Ø 0.256 in
Torque	2.9 Nm ± 0.1 25.7 lb.in ± 0.885

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	**Jumper bars**	2 poles	125 A (IEC)	Orange	☐	JB16-2	1SNK916302R0000	10	10.00
		3 poles	125 A (IEC)			JB16-3	1SNK916303R0000	10	16.00
		4 poles	125 A (IEC)			JB16-4	1SNK916304R0000	10	22.00
		5 poles	125 A (IEC)			JB16-5	1SNK916305R0000	10	28.00
		10 poles	125 A (IEC)			JB16-10	1SNK916310R0000	10	56.60
3	**Circuit separators**	3 mm	0.118 in	Dark grey	☐	CS-R1	1SNK900103R0000	20	5.20
4	**Protecting covers**	16 mm 0.630 in spacing		Transparent	☐	PL16	1SNK900622R0000	10	4.60
5	**Terminal block markers**	Blank marker		White	☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card				MC812	1SNK160000R0000	22	10.00
						MC812PA	1SNK169999R0000	20	14.00
		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 screw clamp terminal blocks

Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) **g**
Ground	Profile aligned with ZS35	Green-yellow	☐	ZS35-PE	1SNK516150R0000	20	81.80

Technical data valid for copper conductors only.

TE connectivity

3

1SNK161004F0014

1SNK161019S0201

ZS50 screw clamp terminal blocks
Feed-through - 16 mm 0.630 in spacing

50 mm²
0 AWG

ZS50

63.6 *2.50"*

69.3 *2.73"*
61.8 *2.43"*

31.9 *1.25"*

16 mm 0.630 in spacing

1SNK161084V0014
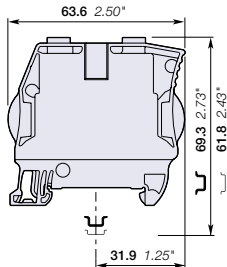
Description

Combine high performance with compact dimensions:
– Connect conductors up to 50 mm² (CB certified) 0 AWG in just 16 mm 0.630 in spacing,
– Perfectly adapted to solar applications: 1250 V DC (1000 V AC) IEC and 1000 V UL,
– Closed terminal block: no end section needed, optmized rigidity.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Feed-through	Closed block	Grey ◻	ZS50	1SNK516011R0000	20	52.90
		Blue ◻	ZS50-BL	1SNK516021R0000	20	52.90
		Yellow ◻	ZS50-YL	1SNK516060R0000	20	52.90
		Red ◼	ZS50-RD	1SNK516063R0000	20	52.90
		Black ◼	ZS50-BK	1SNK516064R0000	20	52.90

Main technical data

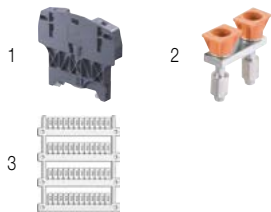| Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	1 … 50 mm²	18 … 0 AWG
	Flexible	1 … 50 mm²	
	with non insulated ferrule	1 … 50 mm²	18 … 0 AWG
	with insulated ferrule	1 … 50 mm²	18 … 0 AWG
	Gauge	Dia.11	
2 conductors per clamp	Rigid - Solid / Stranded	1 … 25 mm²	18 … 4 AWG
	Flexible	1 … 25 mm²	
	with twin ferrule	1 … 16 mm²	18 … 4 AWG
Rated current / Rated cross section		150 A / 50 mm²	140 A / 0 AWG
Rated short-time withstand current (1s)		6000 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	1000 V
Impulse withstand voltage		8000 V	
Protection		IP10	NEMA 1
Increased safety Ex e		880 V 150 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC	

The connecting capacity data for one Rigid - Solid / Stranded - 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

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		17 mm 0.669 in
Tool		Flat screwdriver Ø 6.5 mm Ø 0.256 in
Torque		3 Nm ± 0.50 26.6 lb.in ± 4.43

CE | CB | RoHS | USR | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | 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	**Jumper bars**	2 poles	125 A (IEC)	Orange ◻	JB16-2	1SNK916302R0000	10	10.00
		3 poles	125 A (IEC)		JB16-3	1SNK916303R0000	10	16.00
		4 poles	125 A (IEC)		JB16-4	1SNK916304R0000	10	22.00
		5 poles	125 A (IEC)		JB16-5	1SNK916305R0000	10	28.00
		10 poles	125 A (IEC)		JB16-10	1SNK916310R0000	10	56.60
3	**Terminal block markers**	Blank marker		White ◻	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		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 screw clamp terminal blocks

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Ground	Profile aligned with ZS50	Green-yellow ◻	ZS50-PE	1SNK516151R0000	20	83.00

1SNK161069S0201

Technical data valid for copper conductors only.

≡TE connectivity

3

ZS70 screw clamp terminal blocks
Feed-through - 22 mm 0.866 in spacing
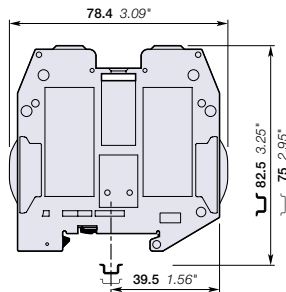
70 mm²
00 AWG

1SNK16104F0014

ZS70

78.4 *3.09"*

82.5 *3.25"*
75 *2.95"*

39.5 *1.56"*

22 mm 0.866 in spacing

Description
Closed terminal block:
– No end section needed,
– Optimized rigidity,
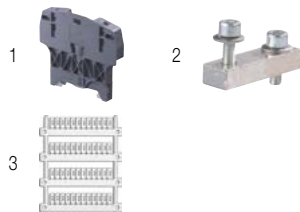– Perfectly adapted to solar applications: 1250 V DC (1000 V AC) IEC and 1000 V UL.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Feed-through	Closed block	Grey ☐	ZS70	1SNK522010R0000	10	158.10
		Blue ☐	ZS70-BL	1SNK522020R0000	10	158.10
		Yellow ☐	ZS70-YL	1SNK522060R0000	10	158.10

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	16 ... 95 mm²	4 ... 00 AWG
	Flexible	16 ... 70 mm²	
	with non insulated ferrule	16 ... 50 mm²	
	with insulated ferrule	16 ... 50 mm²	
	Gauge	B11	
2 conductors per clamp	Rigid - Solid / Stranded	16 ... 35 mm²	4 ... 2 AWG
	Flexible	16 ... 35 mm²	
	with twin ferrule	16 mm²	6 AWG
Rated current / Rated cross section		192 A / 70 mm²	159 A / 00 AWG
Rated short-time withstand current (1s)		8400 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	1000 V
Impulse withstand voltage		8000 V	
Protection		IP10	NEMA 1
Increased safety Ex e		693 V 192 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC – 600 V 159 A UL 60079-7 - Class I, Zone 1, AEx e II, Ex e II U	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		25 mm 0.984 in
Tool		Allen key Ø 6 mm Ø 0.236 in
Torque		6.5 Nm ± 0.5 57.5 lb.in ± 4.43

The connecting capacity data for one Rigid - Solid / Stranded - 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
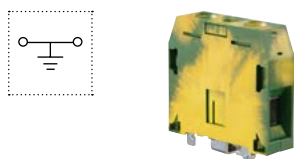
CE | CB | RoHS | USR CNR | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | BV | DNV | Rina

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	**Jumper bars**	2 poles	192 A (IEC)		JB22-2	1SNK922302R0000	5	27.00
		3 poles	192 A (IEC)		JB22-3	1SNK922303R0000	5	43.30
		5 poles	192 A (IEC)		JB22-5	1SNK922305R0000	5	76.10
		10 poles	192 A (IEC)		JB22-10	1SNK922310R0000	5	157.40
3	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		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 screw clamp terminal blocks

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Ground	Profile aligned with ZS70	Green-yellow ☐	ZS70-PE	1SNK522150R0000	10	222.00

1SNK16102S0201

Technical data valid for copper conductors only.

3

TE connectivity

95 mm²

0000 AWG

1SNK16102SF0014

ZS95

87 3.43"

87 3.43" 79.5 3.13"

46 1.81"

26 mm 1.024 in spacing

Description

Closed terminal block:
– No end section needed,
– Optimized rigidity,
– Perfectly adapted to solar applications: 1250 V DC (1000 V AC) IEC and 1000 V UL.

Ordering details

Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) g
Feed-through	Closed block	Grey	☐	ZS95	1SNK526010R0000	10	215.10
		Blue	☐	ZS95-BL	1SNK526020R0000	10	215.10
		Yellow	☐	ZS95-YL	1SNK526060R0000	10	215.10

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	35 ... 120 mm²	2 ... 0000 AWG
	Flexible	35 ... 95 mm²	
	with non insulated ferrule	35 ... 50 mm²	
	with insulated ferrule	35 ... 50 mm²	
	Gauge	B12	
2 conductors per clamp	Rigid - Solid / Stranded	25 ... 35 mm²	4 ... 2 AWG
	Flexible	25 ... 35 mm²	
	with twin ferrule	16 mm²	6 AWG
Rated current / Rated cross section		232 A / 95 mm²	230 A / 0000 AWG
Rated short-time withstand current (1s)		11400 A	
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	1000 V
Impulse withstand voltage		8000 V	
Protection		IP10	NEMA 1
Increased safety Ex e		693 V 232 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIC – 600 V 230 A UL 60079-7 - Class I, Zone 1, AEx e II	

The connecting capacity data for one Rigid - Solid / Stranded - 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 | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | BV | DNV | Rina |

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		26 mm 1.024 in
Tool		Allen key Ø 6 mm Ø 0.236 in
Torque		9.25 Nm ± 0.25 81.7 lb.in ± 2.21

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	**Jumper bars**	2 poles	232 A (IEC)			JB26-2	1SNK926302R0000	5	41.20
		3 poles	232 A (IEC)			JB26-3	1SNK926303R0000	5	65.70
		5 poles	232 A (IEC)			JB26-5	1SNK926305R0000	5	115.70
		10 poles	232 A (IEC)			JB26-10	1SNK926310R0000	5	241.50
3	**Terminal block markers**	Blank marker		White	☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card				MC812	1SNK160000R0000	22	10.00
						MC812PA	1SNK169999R0000	20	14.00
		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 screw clamp terminal blocks

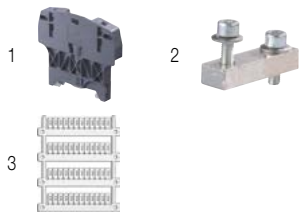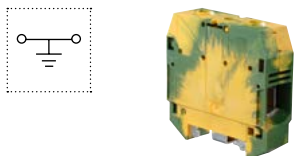| Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) g
Ground	Profile aligned with ZS95	Green-yellow	☐	ZS95-PE	1SNK526150R0000	10	278.00

1SNK161023S0201

Technical data valid for copper conductors only.

TE connectivity

ZS150 screw clamp terminal blocks
Feed-through - 31 mm 1.220 in spacing

150 mm²
350 Kcmil

ZS150

119.4 *4.70"*
110 *4.33"*
114.5 *4.50"*
36.5 *1.43"*

31 mm 1.220 in spacing

Description

– Perfectly adapted to solar applications : 1500V DC (1000V AC) IEC and 1000V UL,
– Closed terminal block: no end section needed, optimized rigidity,
– Ease your voltage monitoring or distribution with the 2 built-in derivations,
– Use of jumper bars requires the user to cut-out the partition.

Ordering details

Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) g
Feed-through	Closed block with 2 x 10 mm² derivations.	Grey		ZS150	1SNK531010R0000	5	318.00
		Blue		ZS150-BL	1SNK531020R0000	5	318.00
		Yellow		ZS150-YL	1SNK531060R0000	5	318.00

Main technical data

Connecting capacity		IEC	UL	CSA
Main circuit with 1 conductor per clamp	Rigid - Solid / Stranded	35 … 185 mm²	2 … 350 Kcmil	2 … 350 Kcmil
	Flexible	50 … 150 mm²		
	with insulated ferrule			
	Gauge	B14		
Derivation with 1 conductor per clamp	Rigid - Solid / Stranded	0.5 … 16 mm²	20 … 8 AWG	20 … 8 AWG
	Flexible	0.5 … 10 mm²	20 … 8 Kcmil	20 … 8 Kcmil
	Gauge	B6		
Rated current / Rated cross section				
	Main circuit Copper	309 A / 150 mm²	310 A / 350 Kcmil	310 A / 350 Kcmil
	Aluminium			
	Derivation	57 A / 10 mm²	50 A / 8 AWG	50 A / 8 AWG
Rated short-time withstand current (1s)		18000 A		
Rated voltage	V AC	1000 V	1000 V	1000 V
	V DC	1500		
Impulse withstand voltage		12000 V		
Protection		IP10	NEMA 1	
Increased safety Ex e		1000 V 309 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC		

The connecting capacity data for one Rigid - Solid / Stranded - 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 | ATEX | IECEx | | | | | BV | | | | |

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Main circuit Wire stripping length		40 mm 1.575 in
Tool		Allen key Ø 8 mm Ø 0.315 in
Torque		20 Nm 177 lb.in
Derivation Wire stripping length		12 mm 0.47 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		1.2 Nm … 1.4 Nm 10.6 lb.in … 12.3 lb.in

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	**Jumper bars**	2 poles	309 A (IEC)			BJMI31.2	1SNA206053R0700	1	120.00
		3 poles	309 A (IEC)			BJMI31.3	1SNA206054R0000	1	190.00
3	**Protecting covers**					CPBP1	1SNA399788R1600	20	0.40
4	**Terminal block markers**	Blank card		White		RC1010	1SNA238000R1600	10	1.30
		Blank marker				MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card				MC812	1SNK160000R0000	22	10.00
						MC812PA	1SNK169999R0000	20	14.00
		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.
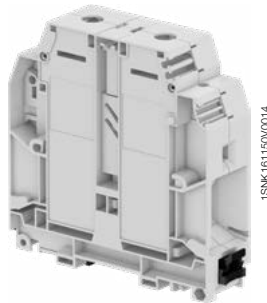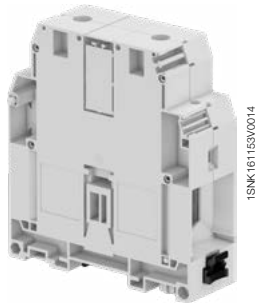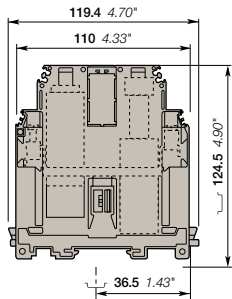
1
2
3
4

Technical data valid for copper conductors only.

TE connectivity

ZS240 screw clamp terminal blocks
Feed-through - 36 mm 1.417 in spacing

240 mm²
500 Kcmil

ZS240

119.4 4.70"
110 4.33"
124.5 4.90"
36.5 1.43"

36 mm 1.417 in spacing

Description
– Perfectly adapted to solar applications : 1500V DC (1000V AC) IEC and 1000V UL,
– UL Certified for aluminum cables use - Closed terminal block: no end section needed, optimized rigidity,
– Ease your voltage monitoring or distribution with the 2 built-in derivations,
– Use of jumper bars requires the user to cut-out the partition.

Ordering details

Description		Color		Type	Part Number		Pkg qty	Weight (1 pce) g
Feed-through	Closed block with 2 x 10 mm² derivations.	Grey ☐		ZS240	1SNK536010R0000		5	366.00
		Blue ☐		ZS240-BL	1SNK536020R0000		5	366.00
		Yellow ☐		ZS240-YL	1SNK536060R0000		5	366.00

Main technical data

Connecting capacity		IEC	UL	CSA
Main circuit with 1 conductor per clamp	Rigid - Solid / Stranded	50 ... 300 mm²	0 ... 500 Kcmil	0 ... 500 Kcmil
	Flexible	50 ... 240 mm²		
	with insulated ferrule			
	Gauge	B14		
Derivation with 1 conductor per clamp	Rigid - Solid / Stranded	0.5 ... 16 mm²	20 ... 8 AWG	20 ... 8 AWG
	Flexible	0.5 ... 10 mm²	20 ... 8 Kcmil	20 ... 8 Kcmil
	Gauge	B6		
Rated current / Rated cross section				
	Main circuit Copper	415 A / 240 mm²	380 A / 500 Kcmil	380 A / 500 Kcmil
	Aluminium		271 / 500 Kcmil	271 / 500 Kcmil
	Derivation	57 A / 10 mm²	50 A / 8 AWG	50 A / 8 AWG
Rated short-time withstand current (1s)		28800 A		
Rated voltage	V AC	1000 V	1000 V	1000 V
	V DC	1500		
Impulse withstand voltage		12000 V		
Protection		IP10	NEMA 1	
Increased safety Ex e		1000 V 415 A IEC/EN 60079-7 - IM2 II 2 GD Ex eb I/II/IIIC		

The connecting capacity data for one Rigid - Solid / Stranded - 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 | ATEX | IECEx | BV

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Main circuit		
Wire stripping length		38 mm 1.496 in
Tool		Allen key Ø 8 mm Ø 0.315 in
Torque		25 Nm 221.3 lb.in
Derivation		
Wire stripping length		12 mm 0.47 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		1.2 Nm ... 1.4 Nm 10.6 lb.in ... 12.3 lb.in

Accessories

1
2
3
4

	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	**Jumper bars**	2 poles	415 A (IEC)		BJMI36.2	1SNA206126R2500		1	170.00
		3 poles	415 A (IEC)		BJMI36.3	1SNA206223R0600		1	260.00
3	**Protecting covers**				CPBP2	1SNA399787R0500		20	1.30
4	**Terminal block markers**	Blank card		White ☐	RC1010	1SNA238000R1600		10	1.30
		Blank marker			MG-CPM 13 41791	1SNB041791R0612		1680	0.27
		Blank card			MC812	1SNK160000R0000		22	10.00
					MC812PA	1SNK169999R0000		20	14.00
		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.
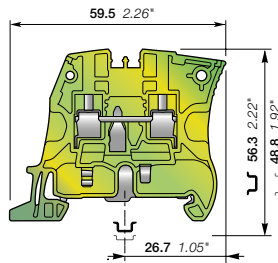
Technical data valid for copper conductors only.

1SNK16115SV0014

1SNK161094S0201

TE connectivity

3

ZS4-PE screw clamp terminal blocks
Ground - 5.2 mm 0.205 in spacing
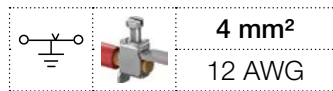
4 mm²
12 AWG

ZS4-PE

59.5 *2.26"*
56.3 *2.22"* **48.8** *1.92"*
26.7 *1.05"*

5.2 mm 0.205 in spacing

1SNK16101 8F0014

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 IEC 60947-7-2 terminal block standard,
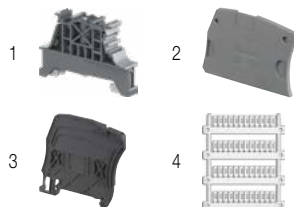– Secured snap on or remove from the rail.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Ground	Screwless rail connection	Green-yellow 🟩	ZS4-PE	1SNK505150R0000	20	12.10

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 12 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
	Gauge	A3-B3	
Rated cross section		4 mm²	12 AWG
Rated short-time withstand current (1s)		480 A	396 A
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II, Ex e II U	

The connecting capacity data for one Rigid - Solid / Stranded - 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 | BR-Ex e II | Haz Loc | BV | DNV | Rina

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

3

Accessories

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ⬛	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ⬛	ES4	1SNK505910R0000	20	2.20
3	**Circuit separators**	3 mm	0.118 in	Dark grey ⬛	CS-R1	1SNK900103R0000	20	5.20
4	**Terminal block markers**	Blank marker		White ⬜	MG-CPM 13 41790	1SNB041790R0512	1960	0.23
		Blank card			MC512	1SNK140000R0000	22	9.00
					MC512PA	1SNK149999R0000	20	10.00
		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.
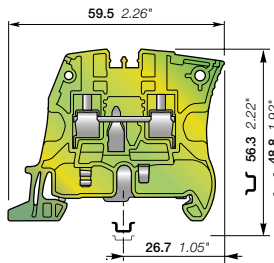

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Technical data valid for copper conductors only.

1SNK16 1002S0201

TE connectivity

ZS6-PE screw clamp terminal blocks
Ground - 6 mm 0.236 in spacing
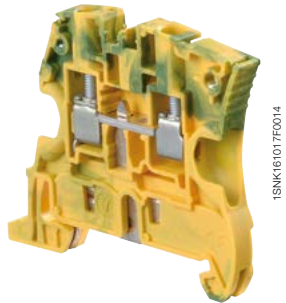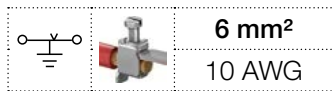
6 mm²
10 AWG

ZS6-PE

59.5 *2.26"*

56.3 *2.22"* / 48.8 *1.92"*

26.7 *1.05"*

6 mm 0.236 in spacing

1SNK16101 7F0014

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 IEC 60947-7-2 terminal block standard,
– Secured snap on or remove from the rail.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) **g**
Ground	Screwless rail connection	Green-yellow 🟨	ZS6-PE	1SNK506150R0000		20	13.70

Main technical data

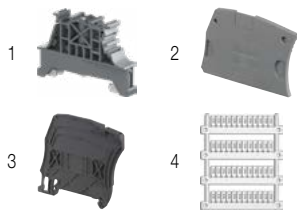| Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 6 mm²	24 ... 10 AWG
	Flexible	0.2 ... 6 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A4-B3	
Rated cross section		6 mm²	10 AWG
Rated short-time withstand current (1s)		720 A	636 A
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II, Ex e II U	

The connecting capacity data for one Rigid - Solid / Stranded - 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	BR-Ex e II	Haz Loc	BV	DNV	Rina

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.85 Nm ± 0.15 7.52 lb.in ± 1.33

Accessories

|	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ■	ES4	1SNK505910R0000	20	2.20
3	**Circuit separators**	3 mm	0.118 in	Dark grey ■	CS-R1	1SNK900103R0000	20	5.20
4	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
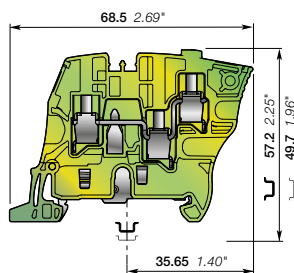
Technical data valid for copper conductors only.

1SNK16101 5S0201

TE connectivity

3

ZS6-3S-PE screw clamp terminal blocks
Ground with 3 connections - 6 mm 0.236 in spacing
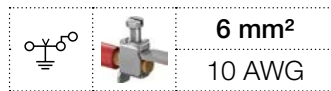
6 mm²
10 AWG

ZS6-3S-PE

68.5 *2.69"*
57.2 *2.25"*
49.7 *1.96"*
35.65 *1.40"*

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, secured snap on or off the rail,
– Same profile as ZS6-3S for aligned marking and identical end section.
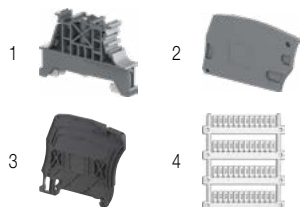
Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Screwless rail connection	Green-yellow 🟨	ZS6-3S-PE	1SNK506151R0000		25	16.20

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 6 mm²	24 ... 10 AWG
	Flexible	0.22... 6 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A4-B3	
Rated cross section		4 mm²	10 AWG
Maximum cross section		6 mm²	
Rated short-time withstand current (1s)		480 A	636 A
Maximum short-time withstand current (1s)		480 A	
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.413 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.75 Nm ± 0.05 6.64 lb.in ± 0.443

The connecting capacity data for one Rigid - Solid / Stranded - 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   CSA   EAC Ex   ATEX   IECEx   BR-Ex e II   Haz Loc   BV   DNV

Accessories

|	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	End stops	10 mm	0.394 in	Dark grey ▪	BAM4	1SNK900001R0000	50	14.00
2	End sections	2.2 mm	0.087 in	Dark grey ▪	ES6-3S	1SNK505912R0000	20	2.50
3	Circuit separators	3 mm	0.118 in	Dark grey ▪	CS-R1	1SNK900103R0000	20	5.20
4	Terminal block markers	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
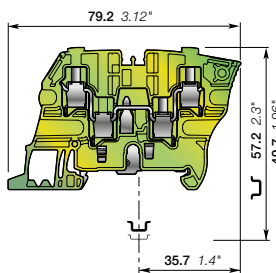
3

Technical data valid for copper conductors only.

TE connectivity

1SNK16109OV0014

1SNK161080S0201

ZS6-4S-PE screw clamp terminal blocks
Ground with 4 connections - 6 mm 0.236 in spacing
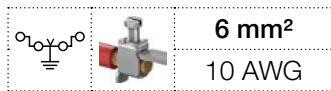
6 mm²
10 AWG

1SNK16I091V0014

ZS6-4S-PE

79.2 *3.12"*

57.2 *2.3"*
49.7 *1.96"*

35.7 *1.4"*

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, secured snap on or off the rail,
– Same profile as ZS6-4S for aligned marking and identical end section.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Screwless rail connection	Green-yellow 🟨	ZS6-4S-PE	1SNK506152R0000		25	19.40

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 6 mm²	24 ... 10 AWG
	Flexible	0.22... 6 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A4-B3	
Rated cross section		4 mm²	10 AWG
Maximum cross section		6 mm²	
Rated short-time withstand current (1s)		480 A	636 A
Maximum short-time withstand current (1s)		480 A	
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.413 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.75 Nm ± 0.05 6.64 lb.in ± 0.443

The connecting capacity data for one Rigid - Solid / Stranded - 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
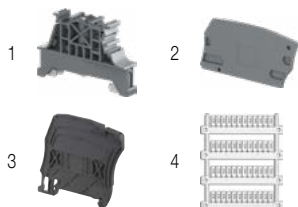
CE | CB | RoHS | USR | CSA | EAC Ex | ATEX | IECEx | BR-Ex e II | Haz Loc | BV | DNV

Accessories

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ▪	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ▪	ES6-4S	1SNK505911R0000	20	3.10
3	**Circuit separators**	3 mm	0.118 in	Dark grey ▪	CS-R1	1SNK900103R0000	20	5.20
4	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
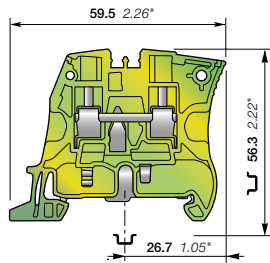
Technical data valid for copper conductors only.

1SNK16I081S0201

TE
connectivity

ZS10-PE screw clamp terminal blocks
Ground - 8 mm 0.315 in spacing
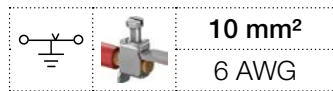
10 mm²
6 AWG

1SNK16101 6F0014

ZS10-PE

59.5 *2.26"*

56.3 *2.22"*

26.7 *1.05"*

8 mm 0.315 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 IEC 60947-7-2 terminal block standard,
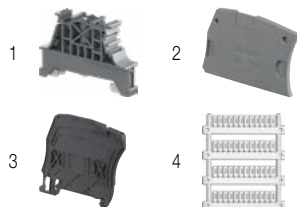– Secured snap on or remove from the rail.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Ground	Screwless rail connection	Green-yellow 🟨	ZS10-PE	1SNK508150R0000	20	22.50

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.5 ... 10 mm²	24 ... 6 AWG
	Flexible	0.5 ... 10 mm²	
	with non insulated ferrule	0.5 ... 10 mm²	24 ... 8 AWG
	with insulated ferrule	0.5 ... 6 mm²	24 ... 8 AWG
	Gauge	A5-B5	
Rated cross section		10 mm²	6 AWG
Rated short-time withstand current (1s)		1200 A	1596 A
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/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 0.472 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		1.3 Nm ± 0.3 11.5 lb.in ± 2.65

The connecting capacity data for one Rigid - Solid / Stranded - 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 | BR-Ex e II | Haz Loc | BV | DNV | Rina

Accessories

|	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey ⬛	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ⬛	ES4	1SNK505910R0000	20	2.20
3	**Circuit separators**	3 mm	0.118 in	Dark grey ⬛	CS-R1	1SNK900103R0000	20	5.20
4	**Terminal block markers**	Blank marker		White ⬜	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		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.

3
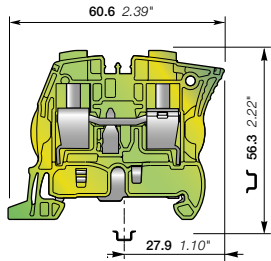
Technical data valid for copper conductors only.

1SNK16101 6S0201

TE connectivity

ZS16-PE screw clamp terminal blocks
Ground - 10 mm 0.394 in spacing

| 16 mm² |
| 4 AWG |
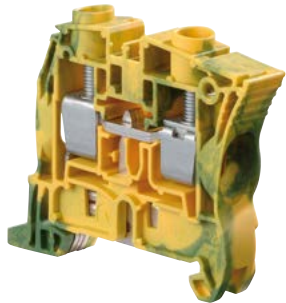
1SNK16101 9F0014

ZS16-PE

60.6 2.39"
56.3 2.22"
27.9 1.10"

10 mm 0.394 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 IEC 60947-7-2 terminal block standard,
– Secured snap on or remove from the rail,
– PE.N function available by combining ZS16-PE with ZS16-BL and 2 poles jumper bar JB10-2.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Screwless rail connection	Green-yellow 🟨	ZS16-PE	1SNK510150R0000		20	32.00

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.5 ... 16 mm²	24 ... 4 AWG
	Flexible	0.5 ... 16 mm²	
	with non insulated ferrule	0.5 ... 16 mm²	24 ... 4 AWG
	with insulated ferrule	0.5 ... 10 mm²	24 ... 8 AWG
	Gauge	A6-B6	
Rated cross section		16 mm²	4 AWG
Rated short-time withstand current (1s)		1920 A	2544 A
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II, Ex e II U	

Mounting instructions

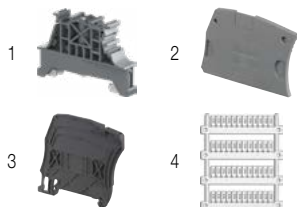| Rail		TH 35-7.5, TH 35-15
Wire stripping length		13.5 mm 0.531 in
Tool		Flat screwdriver Ø 5.5 mm Ø 0.217 in
Torque		1.8 Nm ± 0.2 15.9 lb.in ± 1.77

The connecting capacity data for one Rigid - Solid / Stranded - 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 | BR-Ex e II | Haz Loc | BV | DNV | Rina

Accessories

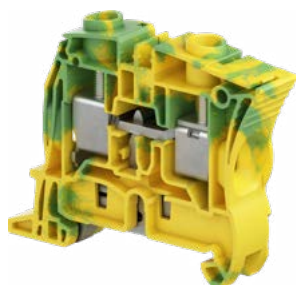|	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	End stops	10 mm	0.394 in	Dark grey ■	BAM4	1SNK900001R0000	50	14.00
2	End sections	2.2 mm	0.087 in	Dark grey ■	ES4	1SNK505910R0000	20	2.20
3	Circuit separators	3 mm	0.118 in	Dark grey ■	CS-R1	1SNK900103R0000	20	5.20
4	Terminal block markers	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		Universal wire markers holder		Grey ☐	UMH	1SNK900611R0000	10	0.20

1
2
3
4

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.
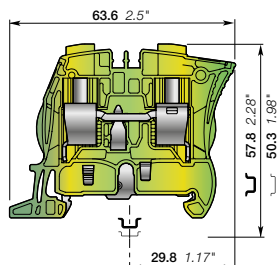
Technical data valid for copper conductors only.

1SNK16101 8S0201

3

TE connectivity

ZS25-PE screw clamp terminal blocks
Ground - 12 mm 0.472 in spacing

25 mm²
3 AWG

1SNK161092V0014

ZS25-PE

63.6 *2.5"*
57.8 *2.28"*
50.3 *1.98"*
29.8 *1.17"*

12 mm 0.472 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, secured snap on or off the rail,
– Same profile as ZS25 for aligned marking and identical end section.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) **g**
Ground	Screwless rail connection	Green-yellow 🟨	ZS25-PE	1SNK512150R0000		20	38.00

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.5 ... 25 mm²	24 ... 3 AWG
	Flexible	0.5 ... 25 mm²	
	with non insulated ferrule	0.5 ... 16 mm²	24 ... 4 AWG
	with insulated ferrule	0.5 ... 16 mm²	24 ... 8 AWG
	Gauge	A6-B6	
Rated cross section		16 mm²	3 AWG
Maximum cross section		25 mm²	
Rated short-time withstand current (1s)		1920 A	3204 A
Maximum short-time withstand current (1s)		3000 A	
Protection		IP20	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/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		13.5 mm 0.531 in
Tool		Flat screwdriver Ø 5.5 mm Ø 0.217 in
Torque		1.8 Nm ± 0.2 15.9 lb.in ± 1.77

The connecting capacity data for one Rigid - Solid / Stranded - 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 | BR-Ex e II | Haz Loc | BV | DNV

Accessories

1 2 3 4

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey ⬛	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ⬛	ES4	1SNK505910R0000	20	2.20
3	**Circuit separators**	3 mm	0.118 in	Dark grey ⬛	CS-R1	1SNK900103R0000	20	5.20
4	**Terminal block markers**	Blank marker		White ⬜	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		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.

3

Technical data valid for copper conductors only.

1SNK161082S0201

TE connectivity

ZS35-PE screw clamp terminal blocks
Ground - 16 mm 0.630 in spacing

1SNK16100.5F0014

ZS35-PE

35 mm²
2 AWG

59 *2.32"*

63.3 *2.49"*

34 *1.34"*

16 mm 0.630 in spacing

Description

Reliable electrical and mechanical contact with the rail that exceeds the requirements of IEC 60947-7-2 terminal block standard.
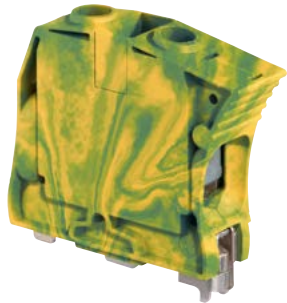
Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Screw rail connection	Green-yellow	ZS35-PE	1SNK516150R0000		20	81.80

Main technical data

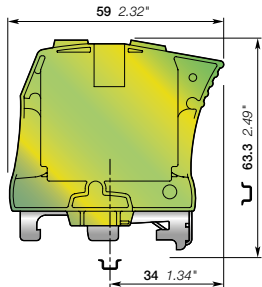| Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	6 ... 35 mm²	10 ... 2 AWG
	Flexible	6 ... 35 mm²	
	with non insulated ferrule	4 ... 35 mm²	10 ... 2 AWG
	with insulated ferrule	4 ... 35 mm²	10 ... 2 AWG
	Gauge	A9	
Rated cross section		35 mm²	2 AWG
Rated short-time withstand current (1s)		4200 A	4032 A
Protection		IP10	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II	

The connecting capacity data for one Rigid - Solid / Stranded - 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	CSA	EAC Ex	ATEX	IECEx	BR-Ex e II	Haz Loc	BV	DNV	Rina

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		17 mm 0.669 in
Tool Screw clamp		Flat screwdriver Ø 6.5 mm Ø 0.256 in
Rail connection screw		Ø 5.5 Ø 0.217
Torque Screw clamp		2.65 Nm ± 0.15 23.4 lb.in ± 1.33
Rail connection screw		1.6 Nm ± 0.15 Nm 14.2 lb.in ± 1.33 lb.in

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	**Circuit separators**	3 mm	0.118 in	Dark grey	CS-R1	1SNK900103R0000	20	5.20
3	**Terminal block markers**	Blank marker		White	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		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.

Technical data valid for copper conductors only.

1SNK161020S0201
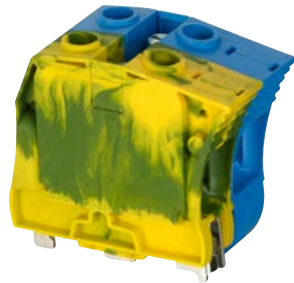
3

TE connectivity

ZS35-PEN screw clamp terminal blocks
Ground + neutral - 32 mm 1.260 in spacing

35 mm²
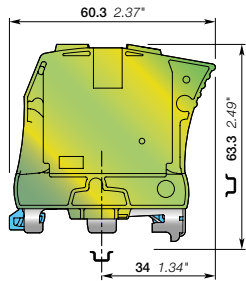
Description

Simplify your PE.N connection with ZS35-PE block connected to ZS35-BL through a pre-mounted jumper.

1SNK161063F0014

ZS35-PEN

60.3 *2.37"*

63.3 *2.49"*

34 *1.34"*

32 mm 1.260 in spacing

Ordering details

Description	Color	Type	Part Number		Pkg qty	Weight (1 pce) **g**
Ground + neutral	Green-yellow	ZS35-PEN	1SNK516170R0000		10	236.00

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	6 ... 35 mm²	
	Flexible	6 ... 35 mm²	
	with non insulated ferrule	6 ... 35 mm²	10 ... 2 AWG
	with insulated ferrule	6 ... 35 mm²	
	Gauge	A9	
Rated cross section		35 mm²	
Rated short-time withstand current (1s)		4200 A	
Protection		IP10	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		17 mm 0.669 in
Tool Screw clamp		Flat screwdriver Ø 6.5 mm Ø 0.256 in
Rail connection screw		Ø 5.5 Ø 0.217
Torque Screw clamp		2.65 Nm ± 0.15 23.5 lb.in ± 1.33
Rail connection screw		1.6 Nm ± 0.15 Nm 14.2 lb.in ± 1.33 lb.in

The connecting capacity data for one Rigid - Solid / Stranded - 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   RoHS   EAC

3

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	**Terminal block markers**	Blank marker		White	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		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.

1   2

Technical data valid for copper conductors only.

1SNK161047S0201

TE connectivity

ZS50-PE screw clamp terminal blocks
Ground - 16 mm 0.630 in spacing

50 mm²
0 AWG

ZS50-PE

1SNK161093V0014

63.6 *2.50"*

69.3 *2.73"*

31.9 *1.25"*

16 mm 0.630 in spacing

Description

– Reliable electrical and mechanical contact with the rail that exceeds the requirements of the IEC 60947-7-2 terminal block standard.

Ordering details

Description		Color	Type	Part Number		Pkg	Weight
						qty	(1 pce) **g**
Ground	Screw rail connection	Green-yellow 🟨	ZS50-PE	1SNK516151R0000		20	83.00

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	1 ... 50 mm²	18 ... 0 AWG
	Flexible	1 ... 50 mm²	
	with non insulated ferrule	1 ... 50 mm²	18 ... 0 AWG
	with insulated ferrule	1 ... 50 mm²	18 ... 0 AWG
	Gauge	Dia.11	
Rated cross section		50 mm²	0 AWG
Rated short-time withstand current (1s)		6000 A	6420 A
Protection		IP10	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II	

The connecting capacity data for one Rigid - Solid / Stranded - 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	CSA	EAC Ex	ATEX	IECEx	BR-Ex e II	Haz Loc	BV	DNV

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		17 mm 0.669 in
Tool Screw clamp		Flat screwdriver Ø 6.5 mm Ø 0.256 in
Rail connection screw		Ø 6.5 Ø 0.256
Torque Screw clamp		3 Nm ± 0.50 26.6 lb.in ± 4.43
Rail connection screw		3 Nm ± 0.25 Nm 26.553 lb.in ± 2.21 lb.in

Accessories

	Description		Color	Type	Part Number	Pkg	Weight
						qty	(1 pce) **g**
1	**End stops**	10 mm 0.394 in	Dark grey ⬛	BAZH1	1SNK900102R0000	20	24.00
2	**Terminal block markers**	Blank marker	White ⬜	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card		MC812	1SNK160000R0000	22	10.00
				MC812PA	1SNK169999R0000	20	14.00
		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.

1

2

Technical data valid for copper conductors only.

1SNK161070S0201

TE connectivity

3

ZS70-PE screw clamp terminal blocks
Ground - 22 mm 0.866 in spacing

70 mm²
00 AWG

ZS70-PE

1SNK16104SF0014

74 *2.91"*

82.6 *3.25"*

39.5 *1.56"*

22 mm 0.866 in spacing

Description

Reliable electrical and mechanical contact with the rail that exceeds the requirements of IEC 60947-7-2 terminal block standard.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) **g**
Ground	Screw rail connection	Green-yellow 🟩	ZS70-PE	1SNK522150R0000		10	222.00

Main technical data

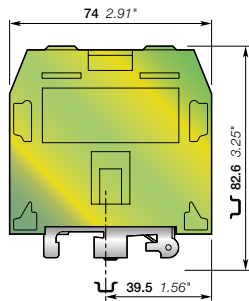| Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	16 ... 95 mm²	4 ... 00 AWG
	Flexible	16 ... 70 mm²	
	with non insulated ferrule	16 ... 50 mm²	
	with insulated ferrule	16 ... 50 mm²	
	Gauge	B11	
Rated cross section		70 mm²	00 AWG
Rated short-time withstand current (1s)		8400 A	8088 A
Protection		IP10	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II, Ex e II U	

The connecting capacity data for one Rigid - Solid / Stranded - 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	BR-Ex e II	Haz Loc	BV	DNV	Rina

Mounting instructions

Rail		TH 35-15
Wire stripping length		25 mm 0.984 in
Tool		Allen key
Screw clamp		Ø 6 mm Ø 0.236 in
Rail connection screw		Ø 4 Ø 0.158
Torque		
Screw clamp		6.5 Nm ± 0.5 57.5 lb.in ± 4.43
Rail connection screw		1.9 Nm ± 0.1 Nm 16.82 lb.in ± 0.885 lb.in

Accessories

1

2

	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	**Terminal block markers**	Blank marker	White ⬜	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card		MC812	1SNK160000R0000	22	10.00
				MC812PA	1SNK169999R0000	20	14.00
		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.
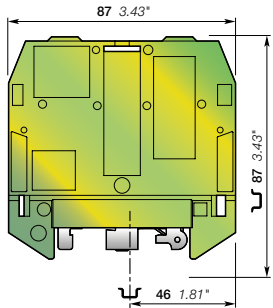
3

Technical data valid for copper conductors only.

1SNK161022S0201

TE connectivity

ZS95-PE screw clamp terminal blocks
Ground - 26 mm 1.024 in spacing
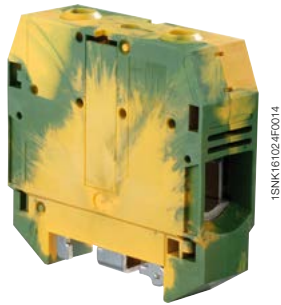
	95 mm²
	0000 AWG

ZS95-PE

87 3.43"

87 3.43"

46 1.81"

26 mm 1.024 in spacing

Description

Reliable electrical and mechanical contact with the rail that exceeds the requirements of IEC 60947-7-2 terminal block standard.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Ground	Screw rail connection	Green-yellow ▮	ZS95-PE	1SNK526150R0000		10	278.00

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	35 ... 120 mm²	2 ... 0000 AWG
	Flexible	35 ... 95 mm²	
	with non insulated ferrule	35 ... 50 mm²	
	with insulated ferrule	35 ... 50 mm²	
	Gauge	B12	
Rated cross section		95 mm²	0000 AWG
Rated short-time withstand current (1s)		11400 A	12840 A
Protection		IP10	NEMA 1
Explosive atmosphere classification		IM2 II 2 GD Ex eb I/II/IIIC – Class I, Zone 1, AEx e II, Ex e II U	

The connecting capacity data for one Rigid - Solid / Stranded - 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
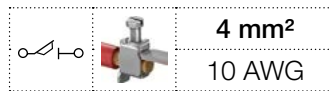
CE	CB	RoHS	USR CNR	CSA	EAC Ex	ATEX	IECEx	BR-Ex e II	Haz Loc	BV	DNV	Rina

Mounting instructions

Rail		TH 35-15
Wire stripping length		26 mm 1.024 in
Tool		
Screw clamp		Allen key Ø 6 mm Ø 0.236 in
Rail connection screw		Ø 4 Ø 0.158
Torque		
Screw clamp		9.25 Nm ± 0.25 81.7 lb.in ± 2.2
Rail connection screw		1.9 Nm ± 0.1 Nm 16.82 lb.in ± 0.885 lb.in

Accessories

1

2

	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	**Terminal block markers**	Blank marker	White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card		MC812	1SNK160000R0000	22	10.00
				MC812PA	1SNK169999R0000	20	14.00
		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.

Technical data valid for copper conductors only.

3

1SNK161024F0014

1SNK161024S0201

TE connectivity

ZS4-S screw clamp terminal blocks
Disconnect with blade - 5.2 mm 0.205 in spacing

4 mm²
10 AWG

ZS4-S

1SNK16100.2F0014

53 *2.09"*

60.4 *2.37"*
52.9 *2.08"*
67.2 *2.64"*
59.7 *2.35"*

26.7 *1.05"*
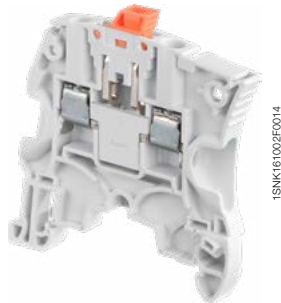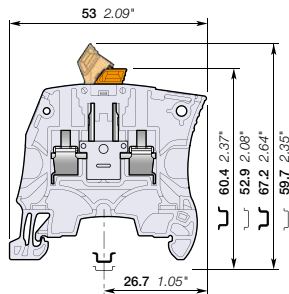
5.2 mm 0.205 in spacing

Description
– Ease your disconnect operations with the disconnect blade operated by hand or with a screwdriver,
– Same profile as ZS4 feed-through terminal block for aligned marking and identical end section use.

Ordering details

Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS4	Grey	▢	ZS4-S	1SNK505310R0000	50	8.60
		Blue	▢	ZS4-S-BL	1SNK505320R0000	50	8.60
		Orange	▢	ZS4-S-OR	1SNK505330R0000	50	8.60

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.2 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 10 AWG
	with insulated ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		25 A / 4 mm²	25 A / 10 AWG
Rated short-time withstand current (1s)		480 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

Recommendation for best usage: in horizontal assemblies, disconnect terminal blocks should be mounted with fixed foot on top (power side) so that the disconnect knife does not partially close through gravity. Furthermore, as specified per IEC 60947-7-1, disconnect terminal blocks are intended to be used for temporary disconnection at zero potential and at no load.

The connecting capacity data for one Rigid - Solid / Stranded - 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 | BV | DNV | Rina

Accessories

	Description			Color		Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	▣	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey	▣	ES4	1SNK505910R0000	20	2.20
3	**Lateral jumper bars**	2 poles	30 A (IEC)	Grey	▢	PC5-2	1SNA113542R1000	10	1.80
		10 poles	30 A (IEC)			PC5-10	1SNA113544R1200	10	6.00
4	**Circuit separators**	3 mm	0.118 in	Dark grey	▣	CS-R1	1SNK900103R0000	20	5.20
5	**Shield connectors**					SHBS	1SNK900600R0000	20	3.50
6	**Protecting covers**	5.2 mm 0.205 in spacing		Transparent	▱	PL5	1SNK900618R0000	10	1.50
7	**Terminal block markers**	Blank marker		White	▢	MG-CPM 13 41790	1SNB041790R0512	1960	0.23
		Blank card				MC512	1SNK140000R0000	22	9.00
						MC512PA	1SNK149999R0000	20	10.00
		Universal wire markers holder		Grey	▢	UMH	1SNK900611R0000	10	0.20

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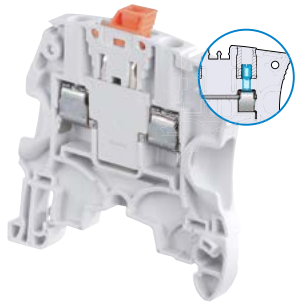Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.

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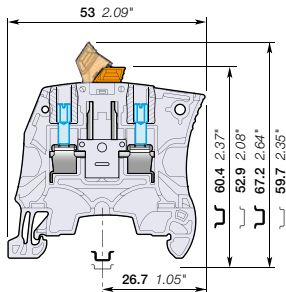4
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Technical data valid for copper conductors only.

1SNK16101OS0201

TE connectivity

ZS4-S-T screw clamp terminal blocks
Disconnect with blade - with test socket - 5.2 mm 0.205 in spacing

| 4 mm² |
| 10 AWG |

1SNK161034R0014

ZS4-S-T

53 *2.09"*

60.4 *2.37"*
52.9 *2.08"*
67.2 *2.64"*
59.7 *2.35"*

26.7 *1.05"*

5.2 mm 0.205 in spacing

Description
– Ease your test operations with the 2 built-in test sockets,
– Screwdriver or hand operated disconnect blade,
– Same profile as ZS4 feed-through terminal block for aligned marking and identical end section use.

Ordering details

Description		Color		Type	Part Number		Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS4, with 2 test sockets DIA 2 mm 0.079 in	Grey	⬜	ZS4-S-T2	1SNK505311R0000		50	8.90
		Blue	🟦	ZS4-S-T2-BL	1SNK505321R0000		50	8.90
		Orange	🟧	ZS4-S-T2-OR	1SNK505331R0000		50	8.90
	Profile aligned with ZS4, with 2 test sockets DIA 2.3 mm 0.091 in	Grey	⬜	ZS4-S-T2.3	1SNK505312R0000		50	8.80

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 10 AWG
	with insulated ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		25 A / 4 mm²	25 A / 10 AWG
Rated short-time withstand current (1s)		480 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

Recommendation for best usage: in horizontal assemblies, disconnect terminal blocks should be mounted with fixed foot on top (power side) so that the disconnect knife does not partially close through gravity. Furthermore, as specified per IEC 60947-7-1, disconnect terminal blocks are intended to be used for temporary disconnection at zero potential and at no load.

The connecting capacity data for one Rigid - Solid / Stranded - 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	RoHS	USR CNR	CSA	EAC
CE	RoHS			

Accessories

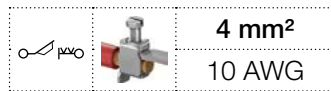|	Description			Color		Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	⬛	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey	⬛	ES4	1SNK505910R0000	20	2.20
3	**Lateral jumper bars**	2 poles	30 A (IEC)	Grey	⬜	PC5-2	1SNA113542R1000	10	1.80
		10 poles	30 A (IEC)			PC5-10	1SNA113544R1200	10	6.00
4	**Circuit separators**	3 mm	0.118 in	Dark grey	⬛	CS-R1	1SNK900103R0000	20	5.20
5	**Shield connectors**					SHBS	1SNK900600R0000	20	3.50
6	**Protecting covers**	5.2 mm 0.205 in spacing		Transparent	⬜	PL5	1SNK900618R0000	10	1.50
7	**Terminal block markers**	Blank marker		White	⬜	MG-CPM 13 41790	1SNB041790R0512	1960	0.23
		Blank card				MC512	1SNK140000R0000	22	9.00
						MC512PA	1SNK149999R0000	20	10.00
		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.
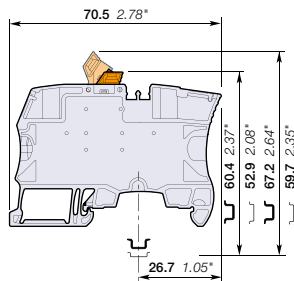
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Technical data valid for copper conductors only.

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1SNK161042S0201

TE connectivity

ZS4-S-R1 screw clamp terminal blocks
Disconnect with blade - 6 mm 0.236 in spacing

4 mm²
10 AWG

ZS4-S-R1

70.5 2.78"

60.4 2.37"
52.9 2.08"
67.2 2.64"
59.7 2.35"

26.7 1.05"

6 mm 0.236 in spacing

Description
– Simplify the alternated distribution thanks to the two jumper channels aligned with ZS4 feed-through terminal blocks,
– Ease your disconnect operations with the disconnect blade operated by hand or with a screwdriver.
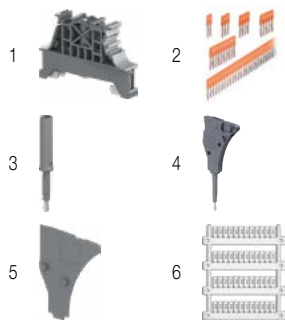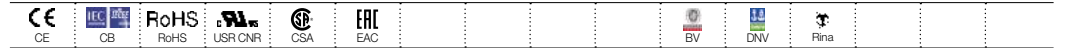
Ordering details

Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS4-SF	Grey		ZS4-S-R1	1SNK506310R0000	50	13.20
		Blue		ZS4-S-R1-BL	1SNK506320R0000	50	13.20
		Orange		ZS4-S-R1-OR	1SNK506330R0000	50	13.20

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		26 A / 4 mm²	26 A / 10 AWG
Rated short-time withstand current (1s)		480 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

Recommendation for best usage: in horizontal assemblies, disconnect terminal blocks should be mounted with fixed foot on top (power side) so that the disconnect knife does not partially close through gravity. Furthermore, as specified per IEC 60947-7-1, disconnect terminal blocks are intended to be used for temporary disconnection at zero potential and at no load.

The connecting capacity data for one Rigid - Solid / Stranded - 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
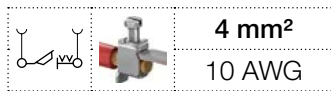
CE CB RoHS USR CNR CSA EAC BV DNV Rina

Accessories

	Description			Color		Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey		BAM4	1SNK900001R0000	50	14.00
2	**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
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**	End module, 5.2 mm 0.205 in		Dark grey		TC5-R1	1SNK900201R0000	10	5.20
5	**Spacers**	0.8 mm	0.031 in	Dark grey		ES-TC6	1SNK900105R0000	10	0.80
6	**Terminal block markers**	Blank marker		White		MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.

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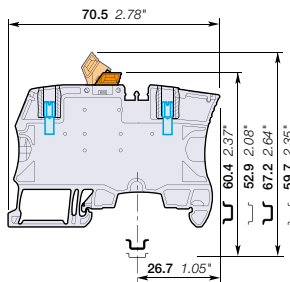Technical data valid for copper conductors only.

TE connectivity

1SNK161003F0014

1SNK161012S0201

ZS4-S-T-R1 screw clamp terminal blocks
Disconnect with blade - with test socket - 6 mm 0.236 in spacing

4 mm²
10 AWG

ZS4-S-T-R1

1SNK161035F0014

70.5 *2.78"*
60.4 *2.37"*
52.9 *2.08"*
67.2 *2.64"*
59.7 *2.35"*
26.7 *1.05"*

6 mm 0.236 in spacing

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Description

– Ease your test operations with the 2 built-in test sockets,
– Screwdriver or hand operated disconnect blade,
– Simplify the alternated distribution thanks to the two jumper channels aligned with ZS4 feed-through terminal blocks.
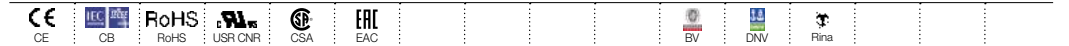
Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS4-SF, with 2 test sockets DIA 2 mm 0.079 in	Grey	ZS4-S-T2-R1	1SNK506311R0000		50	14.20
		Blue	ZS4-S-T2-R1-BL	1SNK506321R0000		50	14.20
		Orange	ZS4-S-T2-R1-OR	1SNK506331R0000		50	14.20
	Profile aligned with ZS4-SF, with 2 test sockets DIA 2.3 mm 0.091 in	Grey	ZS4-S-T2.3-R1	1SNK506312R0000		50	14.20

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		26 A / 4 mm²	26 A / 10 AWG
Rated short-time withstand current (1s)		480 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

Recommendation for best usage: in horizontal assemblies, disconnect terminal blocks should be mounted with fixed foot on top (power side) so that the disconnect knife does not partially close through gravity. Furthermore, as specified per IEC 60947-7-1, disconnect terminal blocks are intended to be used for temporary disconnection at zero potential and at no load.

The connecting capacity data for one Rigid - Solid / Stranded - 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
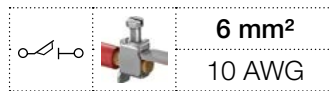
CE	CB	RoHS	USR CNR	CSA	EAC				BV	DNV	Rina	

Accessories

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Description			Color	Type	Part Number		Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
2	**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
3	**Test connectors**	End module, 5.2 mm 0.205 in		Dark grey	TC5-R1	1SNK900201R0000	10	5.20
4	**Spacers**	0.8 mm	0.031 in	Dark grey	ES-TC6	1SNK900105R0000	10	0.80
5	**Terminal block markers**	Blank marker		White	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
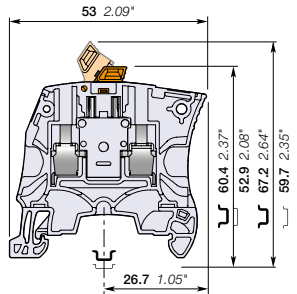
Technical data valid for copper conductors only.

1SNK161045S0201

TE
connectivity

ZS6-S screw clamp terminal blocks
Disconnect with blade - 6 mm 0.236 in spacing

6 mm²
10 AWG

ZS6-S

53 *2.09"*

60.4 *2.37"*
52.9 *2.08"*
67.2 *2.64"*
59.7 *2.35"*

26.7 *1.05"*

6 mm 0.236 in spacing

Description

– Ease your disconnect operations with the disconnect blade operated by hand or with a screwdriver,
– Same profile as ZS6 feed-through terminal block for aligned marking and identical end section use.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Disconnect	Profile aligned with ZS6	Grey ☐	ZS6-S	1SNK506315R0000	50	8.60
		Blue ☐	ZS6-S-BL	1SNK506322R0000	50	8.60

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 6 mm²	24 ... 10 AWG
	Flexible	0.22 ... 6 mm²	
	with non insulated ferrule	0.22 ... 6 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A4-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 2.5 mm²	24 ... 14 AWG
	Flexible	0.22 ... 2.5 mm²	
	with twin ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
Rated current / Rated cross section		25 A / 4 mm²	25 A / 10 AWG
Maximum current / Maximum cross section		30 A / 6 mm²	
Rated short-time withstand current (1s)		480 A	
Rated voltage		500 V	300 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.85 Nm ± 0.15 7.52 lb.in ± 1.33

Recommendation for best usage: in horizontal assemblies, disconnect terminal blocks should be mounted with fixed foot on top (power side) so that the disconnect knife does not partially close through gravity. Furthermore, as specified per IEC 60947-7-1, disconnect terminal blocks are intended to be used for temporary disconnection at zero potential and at no load.

The connecting capacity data for one Rigid - Solid / Stranded - 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
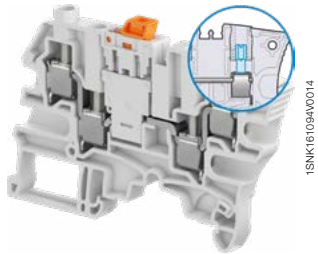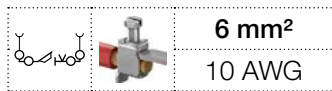
CE	CB	RoHS	USR	CSA	EAC			BV	DNV				

Accessories

1 2 3 4 5 6

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ■	ES4	1SNK505910R0000	20	2.20
3	**Circuit separators**	3 mm	0.118 in	Dark grey ■	CS-R1	1SNK900103R0000	20	5.20
4	**Shield connectors**				SHBS	1SNK900600R0000	20	3.50
5	**Protecting covers**	6 mm 0.236 in spacing		Transparent ◻	PL6	1SNK900619R0000	10	1.80
6	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
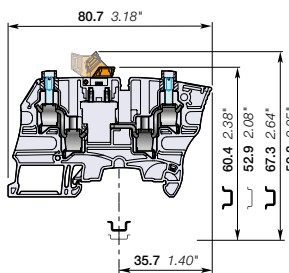
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Technical data valid for copper conductors only.

TE connectivity

1SNK16105F0014

1SNK16104GS0201

ZS6-S-4S-T screw clamp terminal blocks
Disconnect with blade - with test socket screws - 6 mm 0.236 in spacing

6 mm²
10 AWG

1SNK16109AV0014

ZS6-S-4S-T

6 mm 0.236 in spacing

80.7 3.18"
60.4 2.38"
52.9 2.08"
67.3 2.64"
59.8 2.35"
35.7 1.40"

Description

– Recommended for energy markets and highly demanding applications requiring that only one conductor be connected per clamp,
– Ease your disconnect and test operations with the two built-in test socket screws,
– Simplify the alternated distribution thanks to the jumper channel.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Disconnect	with 2 test sockets DIA 2 mm 0,079 in	Grey ☐	ZS6-S-4S-T2	1SNK506316R0000		50	18.40

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 6 mm²	24 ... 10 AWG
	Flexible	0.22... 6 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A4-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 2.5 mm²	24 ... 14 AWG
	Flexible	0.2 ... 2.5 mm²	
	with twin ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
Rated current / Rated cross section		27 A / 4 mm²	28 A / 10 AWG
Rated short-time withstand current (1s)		480 A	
Rated voltage		500 V	300 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.413 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		0.85 Nm ± 0.15 7.52 lb.in ± 1.33

Recommendation for best usage: in horizontal assemblies, disconnect terminal blocks should be mounted with fixed foot on top (power side) so that the disconnect knife does not partially close through gravity. Furthermore, as specified per IEC 60947-7-1, disconnect terminal blocks are intended to be used for temporary disconnection at zero potential and at no load.

The connecting capacity data for one Rigid - Solid / Stranded - 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
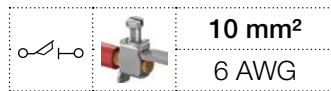
CE	CB	RoHS	USR	CSA	EAC			BV	DNV		

Accessories

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ▪	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ▪	ES6-4S	1SNK505911R0000	20	3.10
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
4	**Circuit separators**	3 mm	0.118 in	Dark grey ▪	CS-R1	1SNK900103R0000	20	5.20
5	**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
6	**Test connectors**	End module, 5.2 mm 0.205 in		Dark grey ▪	TC5-R1	1SNK900201R0000	10	5.20
7	**Spacers**	0.8 mm	0.031 in	Dark grey ▪	ES-TC6	1SNK900105R0000	10	0.80
8	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
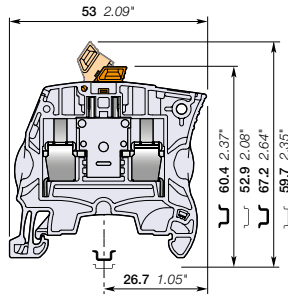
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Technical data valid for copper conductors only.

1SNK16107 1S0201

TE connectivity

ZS10-S screw clamp terminal blocks
Disconnect with blade - 8 mm 0.315 in spacing

10 mm²
6 AWG

ZS10-S

1SNK16105BF0014

8 mm 0.315 in spacing

53 2.09"
26.7 1.05"
60.4 2.37"
52.9 2.08"
67.2 2.64"
59.7 2.35"

Description

– Ease your disconnect operations with the disconnect blade operated by hand or with a screwdriver,
– Same profile as ZS10 feed-through terminal block for aligned marking and identical end section use.

Ordering details

Description		Color		Type	Part Number	Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS10	Grey	☐	ZS10-S	1SNK508315R0000	50	8.60
		Blue	☐	ZS10-S-BL	1SNK508320R0000	50	8.60

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 10 mm²	24 ... 6 AWG
	Flexible	0.22 ... 10 mm²	
	with non insulated ferrule	0.22 ... 10 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 6 mm²	24 ... 12 AWG
	Gauge	A5-B5	
2 conductors per clamp	Rigid - Solid / Stranded	0.5 ... 4 mm²	20 ... 12 AWG
	Flexible	0.5 ... 4 mm²	
	with twin ferrule	0.5 ... 4 mm²	20 ... 12 AWG
Rated current / Rated cross section		25 A / 4 mm²	25 A / 6 AWG
Maximum current / Maximum cross section		42 A / 10 mm²	
Rated short-time withstand current (1s)		480 A	
Rated voltage		630 V	300 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		12 mm 0.472 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		1.3 Nm ± 0.3 11.5 lb.in ± 2.65

Recommendation for best usage: in horizontal assemblies, disconnect terminal blocks should be mounted with fixed foot on top (power side) so that the disconnect knife does not partially close through gravity. Furthermore, as specified per IEC 60947-7-1, disconnect terminal blocks are intended to be used for temporary disconnection at zero potential and at no load.
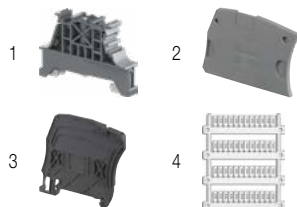
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

| CE | CB | RoHS | USR | CSA | EAC | | | BV | DNV | | | |

Accessories

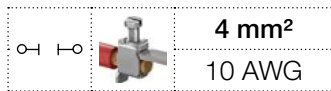|	Description			Color		Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	■	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey	■	ES4	1SNK505910R0000	20	2.20
3	**Circuit separators**	3 mm	0.118 in	Dark grey	■	CS-R1	1SNK900103R0000	20	5.20
4	**Terminal block markers**	Blank marker		White	☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card				MC812	1SNK160000R0000	22	10.00
						MC812PA	1SNK169999R0000	20	14.00
		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.
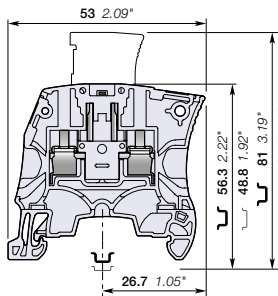
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Technical data valid for copper conductors only.

3

1SNK161050S0201

TE connectivity

ZS4-SP screw clamp terminal blocks
Disconnect with plug - 5.2 mm 0.205 in spacing

4 mm²
10 AWG

ZS4-SP

1SNK161023F0014

53 *2.09"*

56.3 *2.22"* **48.8** *1.92"* **81** *3.19"* **73.5** *2.89"*

26.7 *1.05"*

5.2 mm 0.205 in spacing

3

Description
– Save time with our screwless component holder plug,
– Same profile as ZS4 feed-through terminal block for aligned marking and identical end section use.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS4, plug delivered separetely	Grey ☐	ZS4-SP	1SNK505313R0000	50	8.20

Main technical data

Connecting capacity

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 10 AWG
	with insulated ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		18 A / 2.5 mm²	18 A / 10 AWG
Rated short-time withstand current (1s)		300 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

The connecting capacity data for one Rigid - Solid / Stranded - 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   RoHS   USR CNR   CSA   EAC

Accessories

1   2   3   4   5   6   7

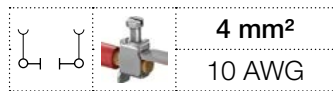|	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ■	ES4	1SNK505910R0000	20	2.20
3	**Lateral jumper bars**	2 poles	30 A (IEC)	Grey ☐	PC5-2	1SNA113542R1000	10	1.80
		10 poles	30 A (IEC)		PC5-10	1SNA113544R1200	10	6.00
4	**Shield connectors**				SHBS	1SNK900600R0000	20	3.50
5	**Component plugs**	Components in series with circuit		Dark grey ■	PG5	1SNK900401R0000	20	3.50
6	**Disconnect plugs**	Equipped with linking bar		Orange ☐	PG5-R1	1SNK900402R0000	20	3.50
7	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41790	1SNB041790R0512	1960	0.23
		Blank card			MC512	1SNK140000R0000	22	9.00
					MC512PA	1SNK149999R0000	20	10.00
		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.

Technical data valid for copper conductors only.

1SNK161033S0201

TE connectivity

ZS4-SP-T2 screw clamp terminal blocks
Disconnect with plug - with test socket - 5.2 mm 0.205 in spacing

4 mm²
10 AWG

ZS4-SP-T2

5.2 mm 0.205 in spacing

Description
– Ease your test operations with the 2 built-in test sockets DIA 2 mm 0.079 in,
– Save time with our screwless component holder plug,
– Same profile as ZS4 feed-through terminal block for aligned marking and identical end section use.

Ordering details

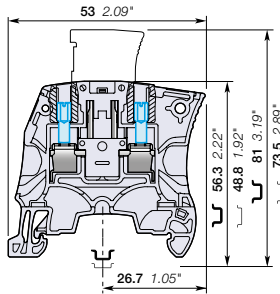| Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS4, with 2 test sockets DIA 2 mm 0.079 in, plug delivered separetely	Grey ☐	ZS4-SP-T2	1SNK505314R0000	50	8.40

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 10 AWG
	with insulated ferrule	0.22 ... 2.5 mm²	24 ... 14 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		18 A / 2.5 mm²	18 A / 10 AWG
Rated short-time withstand current (1s)		300 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

The connecting capacity data for one Rigid - Solid / Stranded - 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 · RoHS · USR CNR · CSA · EAC

Accessories

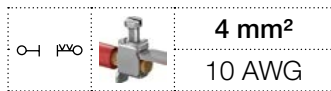|	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ■	ES4	1SNK505910R0000	20	2.20
3	**Lateral jumper bars**	2 poles	30 A (IEC)	Grey ☐	PC5-2	1SNA113542R1000	10	1.80
		10 poles	30 A (IEC)		PC5-10	1SNA113544R1200	10	6.00
4	**Shield connectors**				SHBS	1SNK900600R0000	20	3.50
5	**Component plugs**	Components in series with circuit		Dark grey ■	PG5	1SNK900401R0000	20	3.50
6	**Disconnect plugs**	Equipped with linking bar		Orange ■	PG5-R1	1SNK900402R0000	20	3.50
7	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41790	1SNB041790R0512	1960	0.23
		Blank card			MC512	1SNK140000R0000	22	9.00
					MC512PA	1SNK149999R0000	20	10.00
		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.
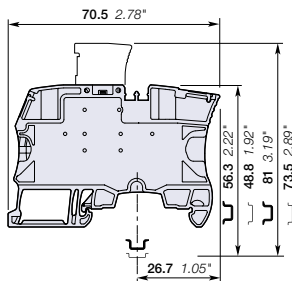

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Technical data valid for copper conductors only.

1SNK161041S0201

TE connectivity

ZS4-SP-R1 screw clamp terminal blocks
Disconnect with plug - 6 mm 0.236 in spacing

4 mm²
10 AWG

ZS4-SP-R1

1SNK161022F0014

70.5 2.78"

56.3 2.22"
48.8 1.92"
81 3.19"
73.5 2.89"

26.7 1.05"

6 mm 0.236 in spacing

Description
– Simplify the alternated distribution between feed-through and disconnect circuits thanks to the two aligned jumper channels,
– Save time with our screwless component holder plug.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
Disconnect	Profile aligned with ZS4-SF, plug delivered separetely	Grey ☐	ZS4-SP-R1	1SNK506313R0000	50	14.20

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		18 A / 2.5 mm²	20 A / 10 AWG
Rated short-time withstand current (1s)		300 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

The connecting capacity data for one Rigid - Solid / Stranded - 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 | RoHS | USR CNR | CSA | EAC

Accessories

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) **g**
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAM4	1SNK900001R0000	50	14.00
2	**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
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**	End module, 5.2 mm 0.205 in		Dark grey ■	TC5-R1	1SNK900201R0000	10	5.20
5	**Spacers**	0.8 mm	0.031 in	Dark grey ■	ES-TC6	1SNK900105R0000	10	0.80
6	**Component plugs**	Components in series with circuit		Dark grey ■	PG5	1SNK900401R0000	20	3.50
7	**Disconnect plugs**	Equipped with linking bar		Orange ■	PG5-R1	1SNK900402R0000	20	3.50
8	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
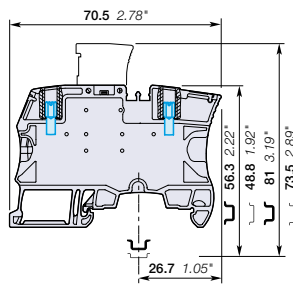
Technical data valid for copper conductors only.

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TE connectivity

ZS4-SP-T2-R1 screw clamp terminal blocks
Disconnect with plug - with test socket - 6 mm 0.236 in spacing
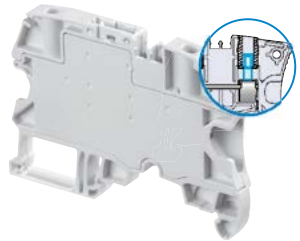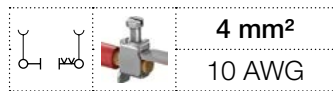
4 mm²
10 AWG

1SNK161037F0014

ZS4-SP-T2-R1

70.5 *2.78"*

56.3 *2.22"* 48.8 *1.92"* 81 *3.19"* 73.5 *2.89"*

26.7 *1.05"*

6 mm 0.236 in spacing

Description
– Ease your test operations with the 2 built-in test sockets DIA 2 mm 0.079 in,
– Save time with our screwless component holder plug,
– Simplify the distribution between feed-through and disconnect circuits thanks to the two aligned jumper channels.
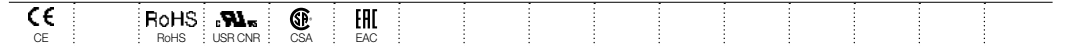
Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS4-SF, with 2 test sockets DIA 2 mm 0.079 in, plug delivered separetely	Grey ☐	ZS4-SP-T2-R1	1SNK506314R0000		50	14.20

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 4 mm²	24 ... 10 AWG
	Flexible	0.22 ... 4 mm²	
	with non insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	with insulated ferrule	0.22 ... 4 mm²	24 ... 12 AWG
	Gauge	A3-B3	
2 conductors per clamp	Rigid - Solid / Stranded	0.2 ... 1.5 mm²	24 ... 16 AWG
	Flexible	0.2 ... 1.5 mm²	
	with twin ferrule	0.22 ... 1.5 mm²	24 ... 16 AWG
Rated current / Rated cross section		18 A / 2.5 mm²	20 A / 10 AWG
Rated short-time withstand current (1s)		300 A	
Rated voltage		400 V	150 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

Mounting instructions

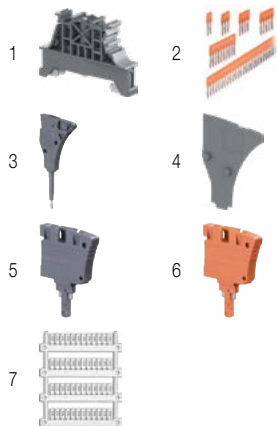|		
Rail		TH 35-7.5, TH 35-15
Wire stripping length		10.5 mm 0.412 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885

The connecting capacity data for one Rigid - Solid / Stranded - 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 | RoHS | USR CNR | CSA | EAC

Accessories

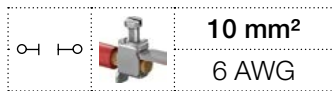|	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	End stops	10 mm	0.394 in	Dark grey ☐	BAM4	1SNK900001R0000	50	14.00
2	Jumper bars	2 poles	41 A (IEC)	Orange ☐	JB6-2	1SNK906302R0000	50	1.30
		3 poles	41 A (IEC)		JB6-3	1SNK906303R0000	50	2.10
		4 poles	41 A (IEC)		JB6-4	1SNK906304R0000	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
3	Test connectors	End module, 5.2 mm 0.205 in		Dark grey ☐	TC5-R1	1SNK900201R0000	10	5.20
4	Spacers	0.8 mm	0.031 in	Dark grey ☐	ES-TC6	1SNK900105R0000	10	0.80
5	Component plugs	Components in series with circuit		Dark grey ☐	PG5	1SNK900401R0000	20	3.50
6	Disconnect plugs	Equipped with linking bar		Orange ☐	PG5-R1	1SNK900402R0000	20	3.50
7	Terminal block markers	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		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.
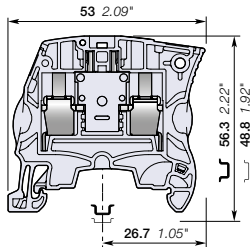
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Technical data valid for copper conductors only.

TE connectivity

1SNK161040S0201

ZS10-SP screw clamp terminal blocks
Disconnect with plug - 8 mm 0.315 in spacing

10 mm²
6 AWG

ZS10-SP

53 *2.09"*
56.3 *2.22"*
48.8 *1.92"*
26.7 *1.05"*

8 mm 0.315 in spacing

Description
– Save time with our screwless component holder plug,
– Same profile as ZS10 feed-through terminal block for aligned marking and identical end section use.
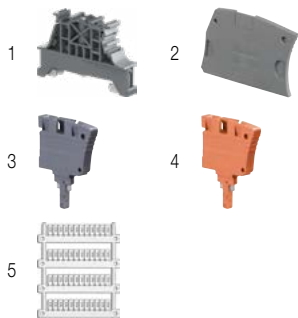
Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Disconnect	Profile aligned with ZS10	Grey ☐	ZS10-SP	1SNK508316R0000		50	8.60

Main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 ... 10 mm²	24 ... 6 AWG
	Flexible	0.22 ... 10 mm²	
	with non insulated ferrule	0.22 ... 10 mm²	24 ... 8 AWG
	with insulated ferrule	0.22 ... 6 mm²	24 ... 8 AWG
	Gauge	A5-B5	
2 conductors per clamp	Rigid - Solid / Stranded	0.5 ... 4 mm²	20 ... 12 AWG
	Flexible	0.5 ... 4 mm²	
	with twin ferrule	0.5 ... 4 mm²	20 ... 12 AWG
Rated current / Rated cross section		18 A / 2.5 mm²	18 A / 6 AWG
Maximum current / Maximum cross section		18 A / 10 mm²	
Rated short-time withstand current (1s)		300 A	
Rated voltage		630 V	300 V
Impulse withstand voltage		6000 V	
Protection		IP20	NEMA 1

The connecting capacity data for one Rigid - Solid / Stranded - 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
RoHS RoHS
USR
CSA
EAC

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		12 mm 0.472 in
Tool		Flat screwdriver Ø 4 mm Ø 0.157 in
Torque		1.3 Nm ± 0.3 11.5 lb.in ± 2.65

Accessories

	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAM4	1SNK900001R0000	50	14.00
2	**End sections**	2.2 mm	0.087 in	Dark grey ■	ES4	1SNK505910R0000	20	2.20
3	**Component plugs**	Components in series with circuit		Dark grey ■	PG5	1SNK900401R0000	20	3.50
4	**Disconnect plugs**	Equipped with linking bar		Orange ☐	PG5-R1	1SNK900402R0000	20	3.50
5	**Terminal block markers**	Blank marker		White ☐	MG-CPM 13 41791	1SNB041791R0612	1680	0.27
		Blank card			MC812	1SNK160000R0000	22	10.00
					MC812PA	1SNK169999R0000	20	14.00
		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.

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Technical data valid for copper conductors only.

TE connectivity

1SNK16105IS0201

1SNK16106OF0014

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