

JUNCTION BOXES

Pre-equipped plastic junction boxes for field connections





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PRE-EQUIPPED JUNCTION BOXES

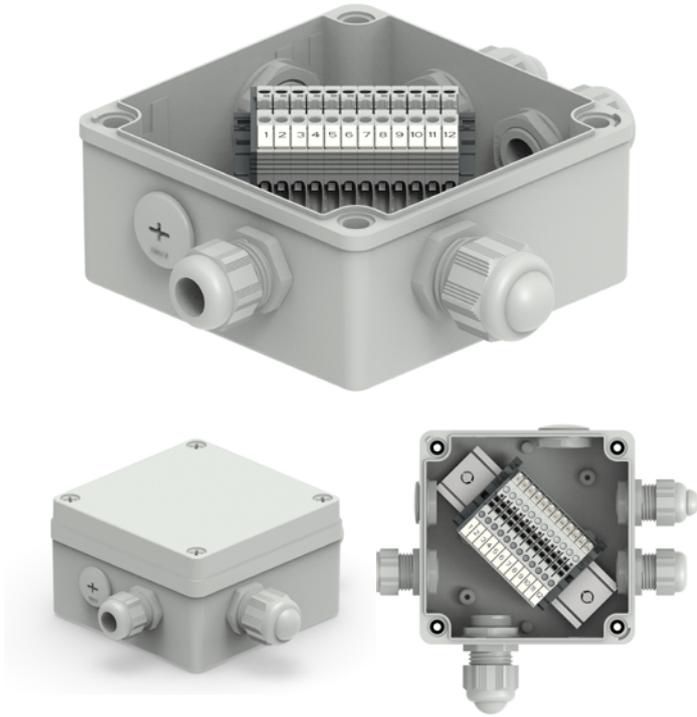
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Junction boxes

Pre-equipped plastic junction boxes



PRE-EQUIPPED PLASTIC JUNCTION BOXES

TE Connectivity (TE)'s range of plastic junction boxes, pre-equipped with terminal blocks and cable glands, offers a dependable and adaptable solution for managing electrical connections and branching in industrial settings.

These junction boxes facilitate the distribution of power to equipment dispersed throughout installations and buildings. With various configurations available, including pre-assembled screw clamp or PI-Spring terminal block assemblies with 6 or 12 connections, pre-marking, and multiple cable entry directions, TE's products cater to diverse needs. Additionally, we provide a specialized version designed for motor connections, accommodating up to two motors with screw-clamp or PI-Spring technology, pre-marking (L1, L2, L3, N, PE), and color coding (grey, blue, green).

PRE-EQUIPPED JUNCTION BOXES

BENEFIT STATEMENTS

- Time efficient and easy configuration thanks to ready-to-use pre-equipped boxes
- Choose your preferred connection technology, ranging from the traditional screw clamp to the advanced PI-Spring (Push-In & Spring) technology, offering up to 50% time savings benefit from reliable connections provided by the high-quality SNK series terminal blocks
- Connection of cables from different directions helps ease the adaptation to the various configuration met on the field
- Pre-marked terminal blocks helps in time and inventory savings
- Motor boxes: 4x2 poles jumpers included. Others boxes: jumpers supplied as option
- IP66 High ingress protection of box suitable for indoor/outdoor installations.

APPLICATIONS

- Machinery
- Industrial production lines
- HVAC
- Indoor/Outdoor lighting

KEY FEATURES

- All boxes are delivered with pre-mounted & premarked terminal blocks assemblies and pre-installed cable glands
- 2 connection technologies (PI-Spring & Screw clamp) from high quality SNK series terminal block range
- Connection capacity from 0.22 mm² to 4 mm²
- 3 to 5 cable entries (up to 4 to 6 cable entries with optional cable gland), 6 & 12 terminal blocks and up to 3 outputs per circuit when using 2 poles jumpers
- Colour coding of terminal blocks for motor applications
- IP66 protection rating for the box
- Dedicated boxes for motor application with premarking, pre-jumpered & color coding

Junction boxes

Pre-equipped plastic junction boxes

Applications overview

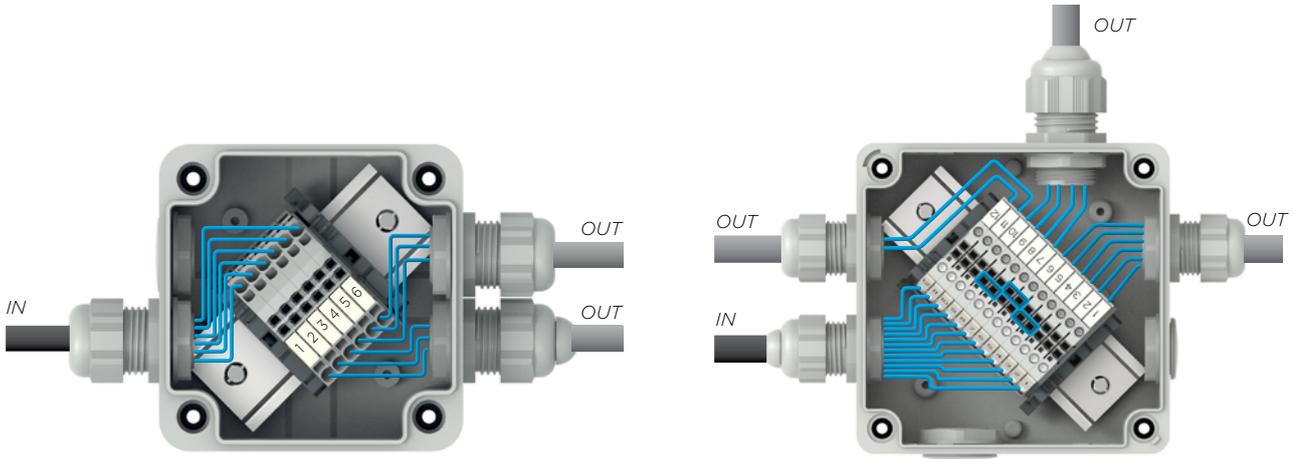
TE's junction boxes have various configurations designed to suit many connection and distribution needs. They incorporate high quality SNK series terminal blocks well known for their reliability and design flexibility.



6 & 12 TERMINAL BLOCKS CONFIGURATION

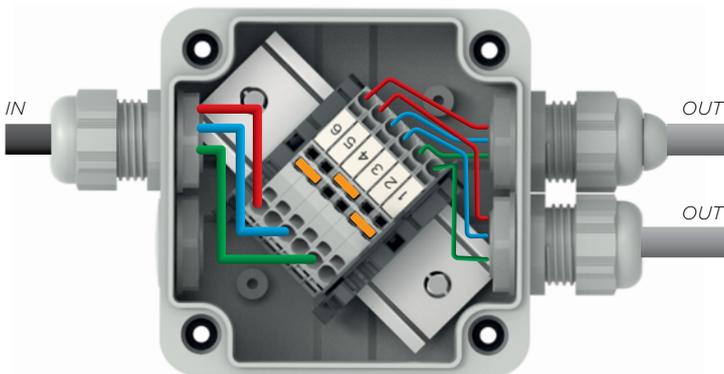
Circuit connection (ie: Screw-clamp)

- 1 Input - 2 Outputs split - 6 Screw-clamp terminal blocks
- 1 Input - 3 Outputs split - 12 screw-clamp blocks



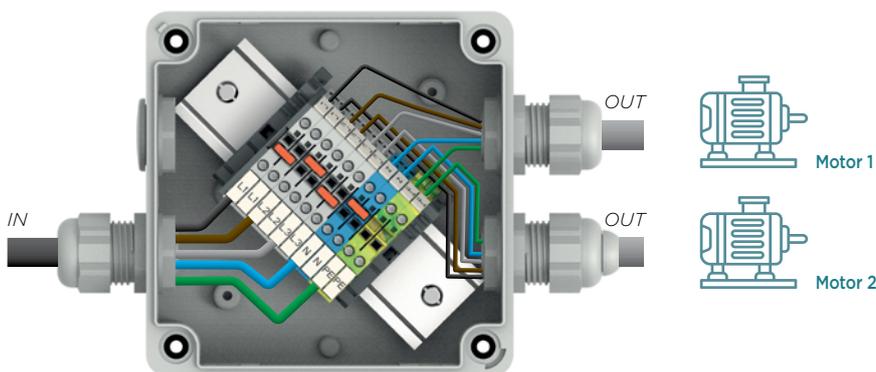
Circuit Distribution (ie: PI-Spring)

- 1 Input - 2 Outputs split - 3 potentials - 6 PI-Spring blocks + (jumper bars to be purchased separately. See accessories section)



Circuit Distribution for 2 small 3 phase motors

- 1 Input - 2 Outputs split - 3 phase - Neutral -Ground - 10 Screw-clamp terminal blocks



Junction boxes

Pre-equipped plastic junction boxes

Junction boxes with 6 Terminal blocks Screw-clamp & PI-Spring technology

TE's junction boxes are pre-equipped with terminal block assemblies in screw-clamp or PI-Spring technology (Push-in & Spring), 3 plastic cable glands + 1 extra round plug that helps ensure high ingress protection. All terminal block assemblies are pre-marked from 1 to 6 for easy circuit identification.

FEATURES

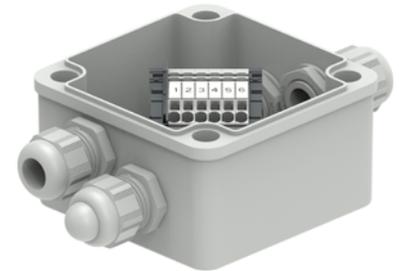
- Junction boxes are supplied with pre-mounted & pre-marked terminal block assemblies and pre-installed plastic cable glands
- 2 connection technologies (PI-Spring & Screw clamp) with high quality SNK series terminal blocks
- Connection capacity from 0.22 mm² to 4 mm² (screw) & 0.22 mm² to 2.5 mm² (PI-Spring)
- 3 cable entries with plastic cable glands (ingress protection IP66)
- 1 entry with round plug for optional cable gland mounting
- IP66 protection rating for the box.

BENEFITS

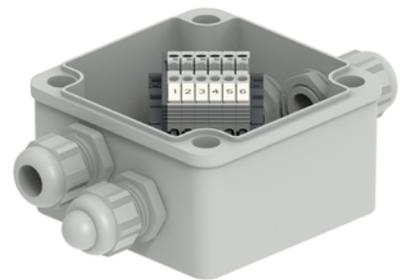
- Time efficient and easy configuration thanks to ready-to be used pre-equipped boxes
- Choose your preferred connection technology, ranging from the traditional screw clamp to the advanced PI-Spring (Push-In & Spring) technology, offering up to 50% time savings. Benefit from reliable connections provided by the high-quality SNK series terminal blocks
- Connection of cables from different directions helps ease the adaptation to the various configuration met on the field
- Pre-marked terminal blocks helps in time and inventory savings
- Optional jumpers to helps ease power distribution & save time
- IP66 High ingress protection of box suitable for indoor/outdoor installations.

APPLICATIONS

- Machinery
- Production lines
- HVAC
- Indoor/Outdoor lighting



PI-Spring technology



Screw-clamp technology

Temperature Rating

- Operating Temperature range: see derating curve
- Installation temperature : -5°C to 40°C
- Storage temperature : -25°C to 60°C

Specifications and Approvals

- IEC 60670-22

More Information

- ZS4 SNK Screw clamp terminal blocks
- ZK2.5 SNK PI-Spring terminal blocks

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Junction box with 6 PI-Spring terminal blocks	Grey	JBox 6 PNT Spring	ISNS470000Z0206	1	336.1
Junction box with 6 Screw clamp terminal blocks	Grey	JBox 6 PNT Screw	ISNS470000Z0207	1	349.5

Junction boxes

Pre-equipped plastic junction boxes

Junction boxes with 12 Terminal blocks Screw-clamp & PI-Spring technology

TE's junction boxes are pre-equipped with terminal block assemblies in screw-clamp or PI-Spring technology (Push-in & Spring), 5 plastic cable glands + 1 extra round plug that helps ensure high ingress protection. All terminal block assemblies are pre-marked from 1 to 12 for easy circuit identification.

FEATURES

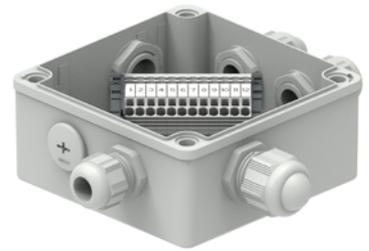
- Junction boxes are supplied with pre-mounted & pre-marked terminal block assemblies and pre-installed plastic cable glands
- 2 connection technologies (PI-Spring & Screw clamp) with high quality SNK series terminal blocks
- Connection capacity from 0.22 mm² to 4 mm² (screw) & 0.22 mm² to 2.5 mm² (PI-Spring)
- 5 cable entries with plastic cable glands (ingress protection IP66)
- 1 entry with round plug for optional cable gland mounting
- Assembly is rotated 45° compared to cable gland entries to ease connection
- IP66 protection rating for the box.

BENEFITS

- Time efficient and easy configuration thanks to ready-to-use pre-equipped boxes
- Choose your preferred connection technology, ranging from the traditional screw clamp to the advanced PI-Spring (Push-In & Spring) technology, offering up to 50% time savings. Benefit from reliable connections provided by the high-quality SNK series terminal blocks
- Connection of cables from different directions helps ease the adaptation to the various configuration met on the field
- Pre-marked terminal blocks helps in time and inventory savings
- Optional jumpers to help ease power distribution & save time
- IP66 High ingress protection of box suitable for indoor/outdoor installations.

APPLICATIONS

- Machinery
- Production lines
- HVAC
- Indoor/Outdoor lighting



PI-Spring technology



Screw-clamp technology

Temperature Rating

- Operating Temperature range: see derating curve
- Installation temperature : -5°C to 40°C
- Storage temperature : -25°C to 60°C

Specifications and Approvals

- IEC 60670-22

More Information

- ZS4 SNK Screw clamp terminal blocks
- ZK2.5 SNK PI-Spring terminal blocks

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Junction box with 12 PI-Spring terminal blocks	Grey	JBox 12 PNT Spring	ISNS470000Z0208	1	509.8
Junction box with 12 Screw clamp terminal blocks	Grey	JBox 12 PNT Screw	ISNS470000Z0209	1	536.3

Junction boxes

Pre-equipped plastic junction boxes

Junction boxes for motor application Screw-clamp & PI-Spring technology

TE's junction boxes are specifically designed for the connection of one or two small motors. They are pre-equipped with terminal block assemblies in screw-clamp or PI-Spring technology (Push-in & Spring), 3 plastic cable glands + 1 extra round plug that helps ensure high ingress protection. All terminal block are pre-marked (L1, L2, L3, N, PE), and color coded (grey, blue, green) for easy circuit identification.

FEATURES

- Junction boxes are supplied with pre-mounted & pre-marked terminal blocks assemblies and pre-installed plastic cable glands
- 2 connection technologies (PI-Spring & Screw clamp) with high quality SNK series terminal blocks
- Grey, blue, green terminal block color coding for phase, neutral & ground
- Pre-marked terminals blocks (L1,L2,L3,N,PE)
- Connection capacity from 0.22 mm² to 4 mm² (screw & PI-Spring)
- 3 cable entries with plastic cable glands (ingress protection IP66)
- 1 entry with round plug for optional cable gland mounting
- Assembly is rotated 45° compared to cable glands entries to ease connection
- 4x2 poles plug-in jumpers supplied
- IP66 protection rating for the box.

BENEFITS

- Time efficient and easy configuration thanks to ready-to-use pre-equipped boxes
- Choose your preferred connection technology, ranging from the traditional screw clamp to the advanced PI-Spring (Push-In & Spring) technology, offering up to 50% time savings. Benefit from reliable connections provided by the high-quality SNK series terminal blocks
- Connection of cables from different directions helps ease the adaptation to the various configuration met on the field
- Pre-marked terminal blocks allow time and inventory savings
- 4x2 poles jumpers supplied in each block to ease power distribution and save time and on inventory
- IP66 High ingress protection of box suitable for indoor/outdoor installations.

APPLICATIONS

- Machinery
- Production lines
- HVAC
- Indoor/Outdoor lighting



PI-Spring technology



Screw-clamp technology

Temperature Rating

- Operating Temperature range: see derating curve
- Installation temperature : -5°C to 40°C
- Storage temperature : -25°C to 60°C

Specifications and Approvals

- IEC 60670-22

More Information

- ZS4 SNK Screw clamp terminal blocks
- ZK4 SNK PI-Spring terminal blocks

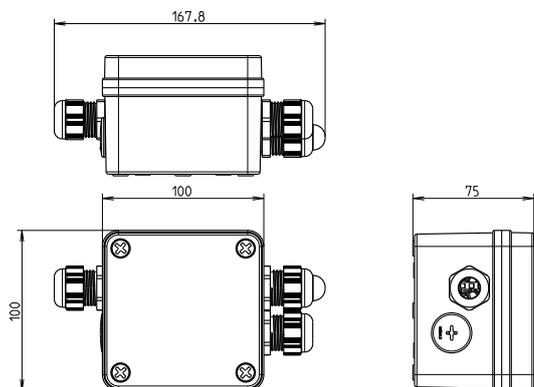
Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Junction box with 12 PI-Spring terminal blocks	Grey	JBox motor Spring	ISNS470000Z0210	1	506.4
Junction box with 12 Screw clamp terminal blocks	Grey	JBox motor Screw	ISNS470000Z0211	1	500.3

Junction boxes

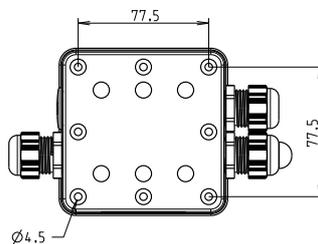
Pre-equipped plastic junction boxes

Dimensions (mm)

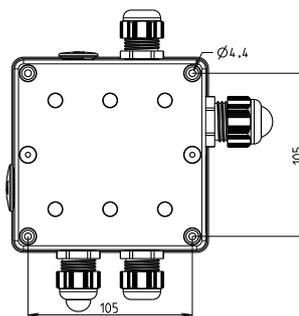
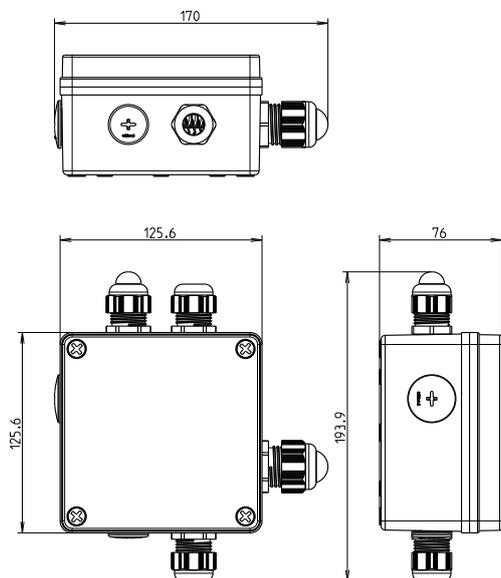
6 Connections boxes



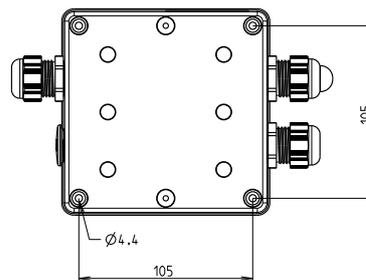
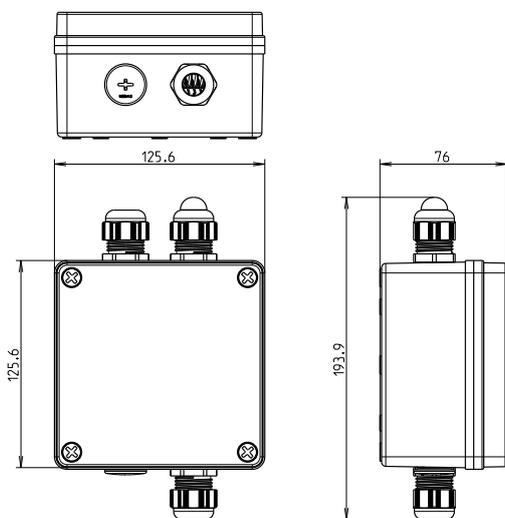
Fixing holes dimensions (Surface mounting only)



12 Connections boxes



Motor application



Junction boxes

Pre-equipped plastic junction boxes

JBOX 6PNT SCREW JUNCTION BOX

6 Feed-through connection

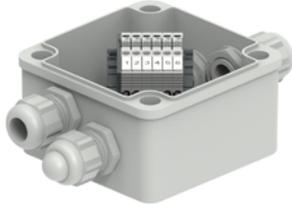


Description

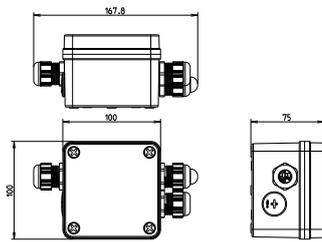
- Pre-equipped with terminal block assemblies in screwclamp technology ZS4.
- 3 plastic cable glands that helps ensure high ingress protection IP66.
- Add a fourth cable gland as option (see accessories).
- All terminal block assemblies are pre-marked from 1 to 6 for easy circuit identification.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
Junction box with 6 Screw TB	Grey <input type="checkbox"/>	JBox 6PNT screw	1SNS470000Z0207	1	349.5 g



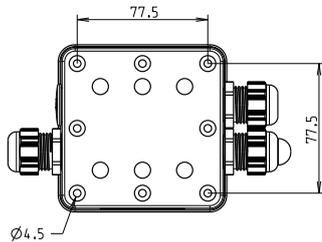
JBox 6PNT screw



Terminal block main technical data

Connecting capacity	IEC	UL - CSA	Rail	TH 35-7.5
1 conductor per clamp	Rigid - Solid / Stranded	0.2 to 4 mm ²	24 to 12 AWG	Wire stripping length 10.5 mm 0.412 in
	Flexible	0.22 to 4 mm ²	24 to 12 AWG	
	with non insulated ferrule	0.22 to 4 mm ²	24 to 12 AWG	
2 conductors per clamp	with insulated ferrule	0.22 to 2.5 mm ²	24 to 14 AWG	TB Tool Flat screwdriver Ø 3.5 mm 0.138 in
	Gauge	A3-B3		
	Rigid - Solid / Stranded	0.2 to 1.5 mm ²	24 to 16 AWG	
Rated current / Rated cross section	Flexible	0.22 to 1.5 mm ²	24 to 16 AWG	Cover Tool Flat screwdriver Ø 6.5 mm 0.256 in
	with twin ferrule	0.22 to 1.5 mm ²	24 to 16 AWG	
Rated short-time withstand current (I _s)		32 A / 4 mm ²	20 A / 12 AWG	Din Rail Tool Flat screwdriver Ø 6.5 mm 0.256 in
Short Circuit Current Rating (with specific conditions)		480 A	100 kA	
Rated voltage		1000 V	600 V	TB Torque 0.6 Nm ± 0.1 5.31 lb.in ± 0.885
Impulse withstand voltage		8000 V		
				Cover Torque 1.5 Nm ± 0.1 13.27 lb.in ± 0.885
				Din Rail Torque 1 Nm ± 0.1 8.85 lb.in ± 0.885

Fixing holes dimensions



Junction box Main technical data (IEC)

Rated voltage	1000 V	
Protection	IP66	
Operating temperature	See derating curve	
Installation temperature	-5°C to 40°C	
Storage temperature	-25°C to 60°C	
Material / Flammability (UL)	PC / Box: UL94 V0 - Screw HB + cable gland UL94-V2	
Cable gland	Outer Thread Size (Male)	M20x1.5
	Clamping Range Ø min - max	7 to 13 mm 0.276 to 0.512 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>



Accessories



Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
1 Jumper bars	Orange <input type="checkbox"/>	2 poles 32 A (IEC)	JB5-2	50	1.30
		3 poles 32 A (IEC)	JB5-3	50	2.00
		4 poles 32 A (IEC)	JB5-4	50	2.70
		5 poles 32 A (IEC)	JB5-5	50	3.50
		10 poles 32 A (IEC)	JB5-10	30	7.10
2 Cable gland	Light Grey <input type="checkbox"/>	M20x1.5 Clamping range Min/Max: 5-9 mm	EP-SG-M20-LGR-A	50	11.00
		M20x1.5 Clamping range Min/Max: 6-12 mm	EP-SG-M20-LGR-C	50	10.00
		M20x1.5 Clamping range Min/Max: 7-13 mm	EP-SG-M20-LGR-G	50	11.00
		M20x1.5 Clamping range Min/Max: 10-14 mm	EP-SG-M20-LGR-H	50	13.00
3 Lock nut	Light Grey <input type="checkbox"/>	EP-LN-M20-LGR-A	ISNG607007R0000	50	2.00
4 Label Holder	Dark grey <input type="checkbox"/>	10 mm	LH	50	0.60
		19.5 mm	LH-R1	50	1.10
5 Markers	White <input type="checkbox"/>	Blank card	MC512PA	20	10.00
			MC512	22	9.00
6	White <input type="checkbox"/>	Continuous Strip label of 20 m	MC-STRIP-20M-9-9	1	43.38
7	White <input type="checkbox"/>	Self adhesive precut blank label for LH	MCLH	25	10.00
		Self adhesive precut blank label for LH-R1	MCLH-R1	25	10.00

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

JBOX 6PNT PI-SPRING JUNCTION BOX

6 Feed-through connection

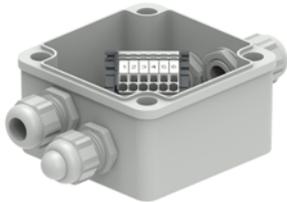


Description

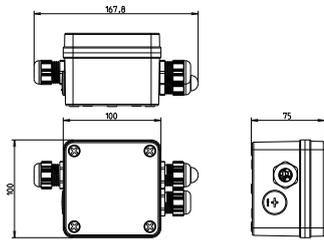
- Pre-equipped with terminal block assemblies in PI-Spring technology (Push-in & Spring) ZK2.5.
- 3 plastic cable glands that helps ensure high ingress protection IP66.
- Add a fourth cable gland as option (see accessories).
- All terminal block assemblies are pre-marked from 1 to 6 for easy circuit identification.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
Junction box with 6 PI-SPRING TB	Grey	JBox 6PNT spring	ISNS470000Z0206	1	336.1 g



JBox 6PNT spring



Terminal block main technical data

Connecting capacity		IEC	UL - CSA	Mounting instructions	
1 conductor per clamp	Rigid - Solid / Stranded	0.2 to 4 mm ²	26 to 12 AWG	Wire stripping length	11 mm 0.433 in
	Flexible with non insulated ferrule	0.22 to 2.5 mm ²	26 to 14 AWG		
	Flexible with insulated ferrule	0.22 to 2.5 mm ²	26 to 14 AWG	Tool (for flexible conductor without ferrule)	Flat screwdriver Ø 6.5 mm 0.256 in
2 conductors per clamp	Flexible with twin ferrule	0.22 to 0.5 mm ²	26 to 20 AWG		
Rated current / Rated cross section		24 A / 2.5 mm ²	20 A / 12 AWG	Din Rail Tool	Flat screwdriver Ø 6.5 mm 0.256 in
Rated short-time withstand current (1s)		300 A	396 A		
Short Circuit Current Rating (with specific conditions)			100 kA	Cover Torque	1.5 Nm ± 0.1 13.27 lb.in ± 0.885
Rated voltage		1000 V	600 V		
Impulse withstand voltage		8000 V			

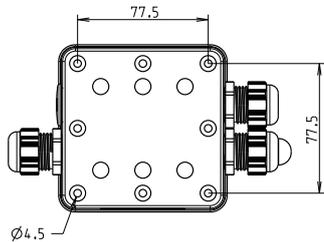
Junction box Main technical data (IEC)

Rated voltage	1000 V	
Protection	IP66	
Operating temperature	See derating curve	
Installation temperature	-5°C to 40°C	
Storage temperature	-25°C to 60°C	
Material / Flammability (UL)	PC / Box: UL94 V0 - Screw HB + cable gland UL94-V2	
Cable gland	Outer Thread Size (Male)	M20x1.5
	Clamping Range Ø min - max	7 to 13 mm 0.276 to 0.512 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								
CE	RoHS								

Fixing holes dimensions



Accessories



Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
1 Jumper bars 2 poles 32 A (IEC) 3 poles 32 A (IEC) 4 poles 32 A (IEC) 5 poles 32 A (IEC) 10 poles 32 A (IEC)	Orange	JBS-2	ISNK905302R0000	50	1.30
		JBS-3	ISNK905303R0000	50	2.00
		JBS-4	ISNK905304R0000	50	2.70
		JBS-5	ISNK905305R0000	50	3.50
		JBS-10	ISNK905310R0000	30	7.10
		2 Cable gland M20x1.5 Clamping range Min/Max: 5-9 mm M20x1.5 Clamping range Min/Max: 6-12 mm M20x1.5 Clamping range Min/Max: 7-13 mm M20x1.5 Clamping range Min/Max: 10-14 mm	Light Grey	EP-SG-M20-LGR-A	ISNG601049R0000
EP-SG-M20-LGR-C	ISNG601055R0000			50	10.00
EP-SG-M20-LGR-G	ISNG601067R0000			50	11.00
EP-SG-M20-LGR-H	ISNG601070R0000			50	13.00
3 Lock nut M20x1.5	Light Grey	EP-LN-M20-LGR-A	ISNG607007R0000	50	2.00
4 Label Holder 10 mm 19.5 mm	Dark grey	LH	ISNK900605R0000	50	0.60
		LH-R1	ISNK900607R0000	50	1.10
5 Markers Blank card	White	MC512PA	ISNK149999R0000	20	10.00
		MC512	ISNK140000R0000	22	9.00
6 Continuous Strip label of 20 m	White	MC-STRIP-20M-9-9	ISNK140901R0000	1	43.38
7 Self adhesive precut blank label for LH	White	MCLH	ISNK900630R0000	25	10.00
Self adhesive precut blank label for LH-R1	White	MCLH-R1	ISNK900631R0000	25	10.00

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

JBOX 12PNT SCREW JUNCTION BOX

12 Feed-through connection



Accessories

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)	g		
1 Jumper bars 2 poles 32 A (IEC) 3 poles 32 A (IEC) 4 poles 32 A (IEC) 5 poles 32 A (IEC) 10 poles 32 A (IEC) 50 poles 32 A (IEC)	Orange	JB5-2	ISNK905302R0000	50	1.30			
		JB5-3	ISNK905303R0000	50	2.00			
		JB5-4	ISNK905304R0000	50	2.70			
		JB5-5	ISNK905305R0000	50	3.50			
		JB5-10	ISNK905310R0000	30	7.10			
		JB5-50	ISNK905350R0000	10	36.00			
2 Cable gland M20x1.5 Clamping range Min/Max: 5-9 mm M20x1.5 Clamping range Min/Max: 6-12 mm M20x1.5 Clamping range Min/Max: 7-13 mm M20x1.5 Clamping range Min/Max: 10-14 mm M25x1.5 Clamping range Min/Max: 9-16 mm M25x1.5 Clamping range Min/Max: 11-17 mm M25x1.5 Clamping range Min/Max: 13-18 mm	Light Grey	EP-SG-M20-LGR-A	ISNG601049R0000	50	11.00			
		EP-SG-M20-LGR-C	ISNG601055R0000	50	10.00			
		EP-SG-M20-LGR-G	ISNG601067R0000	50	11.00			
		EP-SG-M20-LGR-H	ISNG601070R0000	50	13.00			
		EP-SG-M25-LGR-D	ISNG601085R0000	25	24.00			
		EP-SG-M25-LGR-F	ISNG601091R0000	40	17.00			
		EP-SG-M25-LGR-H	ISNG601097R0000	25	24.00			
		3 Lock nut M20x1.5 M25x1.5	Light Grey	EP-LN-M20-LGR-A	ISNG607007R0000	50	2.00	
				EP-LN-M25-LGR-A	ISNG607010R0000	50	2.00	
4 Label Holder 10 mm 19.5 mm	Dark grey	LH	ISNK900605R0000	50	0.60			
		LH-R1	ISNK900607R0000	50	1.10			
5 Markers Blank card	White	MC512PA	ISNK149999R0000	20	10.00			
		MC512	ISNK140000R0000	22	9.00			
		MC-STRIP-20M-9-9	ISNK140901R0000	1	43.38			
6	White	MCLH	ISNK900630R0000	25	10.00			
7	White	MCLH-R1	ISNK900631R0000	25	10.00			

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

JBOX 12PNT PI-SPRING JUNCTION BOX

12 Feed-through connection



Accessories

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)	g		
1 Jumper bars 2 poles 32 A (IEC) 3 poles 32 A (IEC) 4 poles 32 A (IEC) 5 poles 32 A (IEC) 10 poles 32 A (IEC) 50 poles 32 A (IEC)	Orange	JB5-2	ISNK905302R0000	50	1.30			
		JB5-3	ISNK905303R0000	50	2.00			
		JB5-4	ISNK905304R0000	50	2.70			
		JB5-5	ISNK905305R0000	50	3.50			
		JB5-10	ISNK905310R0000	30	7.10			
		JB5-50	ISNK905350R0000	10	36.00			
2 Cable gland M20x1.5 Clamping range Min/Max: 5-9 mm M20x1.5 Clamping range Min/Max: 6-12 mm M20x1.5 Clamping range Min/Max: 7-13 mm M20x1.5 Clamping range Min/Max: 10-14 mm M25x1.5 Clamping range Min/Max: 9-16 mm M25x1.5 Clamping range Min/Max: 11-17 mm M25x1.5 Clamping range Min/Max: 13-18 mm	Light Grey	EP-SG-M20-LGR-A	ISNG601049R0000	50	11.00			
		EP-SG-M20-LGR-C	ISNG601055R0000	50	10.00			
		EP-SG-M20-LGR-G	ISNG601067R0000	50	11.00			
		EP-SG-M20-LGR-H	ISNG601070R0000	50	13.00			
		EP-SG-M25-LGR-D	ISNG601085R0000	25	24.00			
		EP-SG-M25-LGR-F	ISNG601091R0000	40	17.00			
		EP-SG-M25-LGR-H	ISNG601097R0000	25	24.00			
		3 Lock nut M20x1.5 M25x1.5	Light Grey	EP-LN-M20-LGR-A	ISNG607007R0000	50	2.00	
				EP-LN-M25-LGR-A	ISNG607010R0000	50	2.00	
4 Label Holder 10 mm 19.5 mm	Dark grey	LH	ISNK900605R0000	50	0.60			
		LH-R1	ISNK900607R0000	50	1.10			
5 Markers Blank card	White	MC512PA	ISNK149999R0000	20	10.00			
		MC512	ISNK140000R0000	22	9.00			
		MC-STRIP-20M-9-9	ISNK140901R0000	1	43.38			
6	White	MCLH	ISNK900630R0000	25	10.00			
7	White	MCLH-R1	ISNK900631R0000	25	10.00			

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

JBOX MOTOR SCREW JUNCTION BOX

10 Feed-through connection



4 mm²

12 AWG

Description

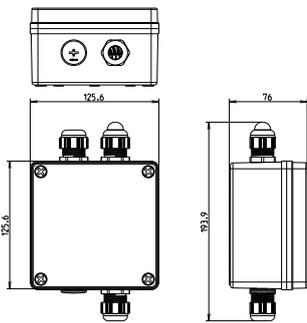
- Specifically designed for the connection of one or two small motors.
- They are pre-equipped with terminal block assemblies in screw-clamp technology ZS4.
- 3 plastic cable glands that helps ensure high ingress protection IP66.
- Add 1 cable gland as option (see accessories).
- All terminal block are pre-marked (L1, L2, L3, N, PE) and color coded (grey, blue, green/yellow) for easy circuit identification and 4x2 jumpers bars included.



Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
Junction box motor with 10 Screw TB (L1, L2, L3, N, PE)	Grey <input type="checkbox"/>	JBox motor screw	ISNS470000Z0211	1	500.3 g

JBox motor screw



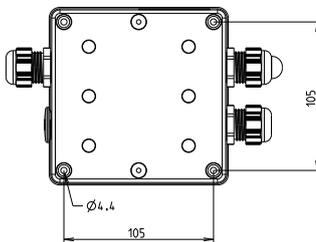
Terminal block main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.2 to 4 mm ²	24 to 12 AWG
	Flexible	0.22 to 4 mm ²	24 to 12 AWG
	with non insulated ferrule	0.22 to 4 mm ²	24 to 12 AWG
2 conductors per clamp	with insulated ferrule	0.22 to 2.5 mm ²	24 to 14 AWG
	Gauge	A3-B3	
	Flexible	0.2 to 1.5 mm ²	24 to 16 AWG
	with twin ferrule	0.22 to 1.5 mm ²	24 to 16 AWG
Rated current / Rated cross section		32 A / 4 mm ²	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	

Mounting instructions

Rail		TH 35-7.5
Wire stripping length		10.5 mm 0.412 in
TB Tool		Flat screwdriver Ø 3.5 mm 0.138 in
Cover Tool		Flat screwdriver Ø 6.5 mm 0.256 in
Din Rail Tool		Flat screwdriver Ø 6.5 mm 0.256 in
TB Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885
Cover Torque		1.5 Nm ± 0.1 13.27 lb.in ± 0.885
Din Rail Torque		1 Nm ± 0.1 8.85 lb.in ± 0.885

Fixing holes dimensions



Junction box Main technical data (IEC)

Rated voltage	1000 V	
Protection	IP66	
Operating temperature	See derating curve	
Installation temperature	-5°C to 40°C	
Storage temperature	-25°C to 60°C	
Material / Flammability (UL)	PC / Box: UL94 V0 - Screw HB + cable gland UL94-V2	
Cable gland	Outer Thread Size (Male)	M20x1.5
	Clamping Range Ø min - max	7 to 13 mm 0.276 to 0.512 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								
CE	RoHS								

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

JBOX MOTOR SCREW JUNCTION BOX

10 Feed-through connection



Accessories

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)	g
1 Jumper bars for Jbox motor Screw 2 poles 32 A (IEC) 3 poles 32 A (IEC) 4 poles 32 A (IEC) 5 poles 32 A (IEC) 10 poles 32 A (IEC)	Orange	JB5-2	ISNK905302R0000	50	1.30	
		JB5-3	ISNK905303R0000	50	2.00	
		JB5-4	ISNK905304R0000	50	2.70	
		JB5-5	ISNK905305R0000	50	3.50	
		JB5-10	ISNK905310R0000	30	7.10	
2 Cable gland M20x1.5 Clamping range Min/Max: 5-9 mm M20x1.5 Clamping range Min/Max: 6-12 mm M20x1.5 Clamping range Min/Max: 7-13 mm M20x1.5 Clamping range Min/Max: 10-14 mm	Light Grey	EP-SG-M20-LGR-A	ISNG601049R0000	50	11.00	
		EP-SG-M20-LGR-C	ISNG601055R0000	50	10.00	
		EP-SG-M20-LGR-G	ISNG601067R0000	50	11.00	
		EP-SG-M20-LGR-H	ISNG601070R0000	50	13.00	
3 Lock nut M20x1.5	Light Grey	EP-LN-M20-LGR-A	ISNG607007R0000	50	2.00	
4 Label Holder 10 mm 19.5 mm	Dark grey	LH	ISNK900605R0000	50	0.60	
		LH-R1	ISNK900607R0000	50	1.10	
5 Markers Blank card	White	MC612PA	ISNK159999R0000	20	10.00	
		MC612	ISNK150000R0000	22	9.00	
		MC-STRIP-20M-9-9	ISNK140901R0000	1	43.38	
6 Continuous Strip label of 20 m	White	MC-STRIP-20M-9-9	ISNK140901R0000	1	43.38	
7 Self adhesive precut blank label for LH Self adhesive precut blank label for LH-R1	White	MCLH	ISNK900630R0000	25	10.00	
		MCLH-R1	ISNK900631R0000	25	10.00	

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

JBOX MOTOR PI-SPRING JUNCTION BOX

10 Feed-through connection



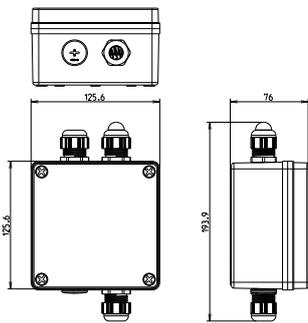
Description

- Specifically designed for the connection of one or two small motors.
- They are pre-equipped with terminal block assemblies in PI-Spring technology (Push-in & Spring) ZK4.
- 3 plastic cable glands that helps ensure high ingress protection IP66.
- Add 1 cable gland as option (see accessories).
- All terminal block are pre-marked (L1, L2, L3, N, PE) and color coded (grey, blue, green/yellow) for easy circuit identification and 4x2 jumpers bars included.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
Junction box motor with 10 PI-SPRING TB (L1, L2, L3, N, PE)	Grey <input type="checkbox"/>	JBox motor spring	ISNS470000Z0210	1	506.4 g

JBox motor spring



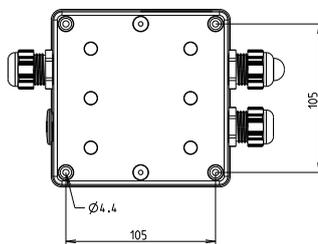
Terminal block main technical data

Connecting capacity		IEC	UL - CSA
1 conductor per clamp	Rigid - Solid / Stranded	0.5 to 6 mm ²	26 to 10 AWG
	Flexible	0.5 to 4 mm ²	
	with non insulated ferrule	0.5 to 4 mm ²	26 to 12 AWG
2 conductors per clamp	with insulated ferrule	0.5 to 4 mm ²	26 to 12 AWG
	Flexible with twin ferrule	0.5 to 1 mm ²	26 to 18 AWG
Rated current / Rated cross section		32 A / 4 mm ²	30 A / 10 AWG
Rated short-time withstand current (I _s)		480 A	636 A
Short Circuit Current Rating (with specific conditions)			100 kA
Rated voltage		1000 V	600 V
Impulse withstand voltage		8000 V	

Mounting instructions

Rail		TH 35-7.5
Wire stripping length		10.5 mm 0.412 in
TB Tool		Flat screwdriver Ø 3.5 mm 0.138 in
Cover Tool		Flat screwdriver Ø 6.5 mm 0.256 in
Din Rail Tool		Flat screwdriver Ø 6.5 mm 0.256 in
TB Torque		0.6 Nm ± 0.1 5.31 lb.in ± 0.885
Cover Torque		1.5 Nm ± 0.1 13.27 lb.in ± 0.885
Din Rail Torque		1 Nm ± 0.1 8.85 lb.in ± 0.885

Fixing holes dimensions



Junction box Main technical data (IEC)

Rated voltage	1000 V	
Protection	IP66	
Operating temperature	See derating curve	
Installation temperature	-5°C to 40°C	
Storage temperature	-25°C to 60°C	
Material / Flammability (UL)	PC / Box: UL94 V0 - Screw HB + cable gland UL94-V2	
Cable gland	Outer Thread Size (Male)	M20x1.5
	Clamping Range Ø min - max	7 to 13 mm 0.276 to 0.512 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								
CE	RoHS								

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

JBOX MOTOR PI-SPRING JUNCTION BOX

10 Feed-through connection



Accessories

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)	g
1 Jumper bars for Jbox motor Spring	Orange	JB6-2	ISNK906302R0000	50	1.30	
		JB6-3	ISNK906303R0000	50	2.10	
		JB6-4	ISNK906304R0000	50	2.90	
		JB6-5	ISNK906305R0000	50	3.60	
		JB6-10	ISNK906310R0000	30	7.40	
2 Cable gland	Light Grey	EP-SG-M20-LGR-A	ISNG601049R0000	50	11.00	
		EP-SG-M20-LGR-C	ISNG601055R0000	50	10.00	
		EP-SG-M20-LGR-G	ISNG601067R0000	50	11.00	
		EP-SG-M20-LGR-H	ISNG601070R0000	50	13.00	
3 Lock nut	Light Grey	EP-LN-M20-LGR-A	ISNG607007R0000	50	2.00	
4 Label Holder	Dark grey	LH	ISNK900605R0000	50	0.60	
		LH-R1	ISNK900607R0000	50	1.10	
5 Markers	White	MC612PA	ISNK159999R0000	20	10.00	
		MC612	ISNK150000R0000	22	9.00	
6	White	MC-STRIP-20M-9-9	ISNK140901R0000	1	43.38	
7	White	MCLH	ISNK900630R0000	25	10.00	
		MCLH-R1	ISNK900631R0000	25	10.00	

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

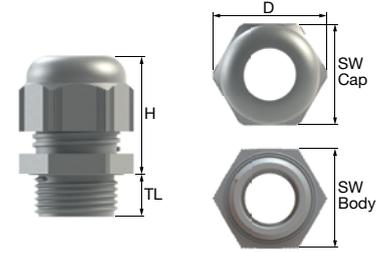
STANDARD CABLE GLANDS

Polyamide with Threads, without Locknut



Polyamide cable glands with lamellar clamping

- For standard industrial applications
- Material: Body, Cap: PA 6 / Seal: CR
- Ingress Protection Rating: IP 68 - 5 Bar, 30 min / IP 66
- UL Environmental Rating: TYPE 1, 4X acc. to UL 50E
- Flammability: V2 according to UL94
- Operating temperature:
 - Permanent: -20°C to +100°C
 - Intermittent: -30°C to +150°C
- Cable type: Non armoured
- Accessories (refers to dedicated page): Locknuts, Washer Gaskets, Dome Plugs



Thread Type METRIC acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø min - max	Outer Thread Length		Spanner Width		Outer Ø		Max. Height	Light grey RAL 7035		Pkg
		TL		Cap	Body	D	H		Description	Part Number	
	mm in	mm in	in	mm in	mm in	mm in	mm in				per Box
M20x1.5	5-9	10	0.394	24	24	27	32.4				50
	0.197-0.354	15	0.591	0.945	0.945	1.063	1.276	EP-SG-M20-LGR-A	ISNG601049R0000		50
	6-12	10	0.394	24	24	27	32.4	EP-SG-M20-LGR-B	ISNG601052R0000		50
	0.236-0.472	15	0.591	0.945	0.945	1.063	1.276	EP-SG-M20-LGR-C	ISNG601055R0000		50
	7-12	10	0.394	27	27	30.9	31.9	EP-SG-M20-LGR-D	ISNG601058R0000		50
	0.276-0.472	15	0.591	1.063	1.063	1.217	1.256	EP-SG-M20-LGR-E	ISNG601061R0000		50
	7-13	10	0.394	25	25	27.5	34	EP-SG-M20-LGR-F	ISNG601064R0000		50
	0.276-0.512	15	0.591	1.063	1.063	1.083	1.339	EP-SG-M20-LGR-G	ISNG601067R0000		50
M25x1.5	10-14	10	0.394	27	27	30.9	31.9	EP-SG-M20-LGR-H	ISNG601070R0000		50
	0.394-0.551	15	0.591	1.063	1.063	1.217	1.256	EP-SG-M20-LGR-I	ISNG601073R0000		50
	9-13	8	0.315	29	29	32.5	37.7	EP-SG-M25-LGR-A	ISNG601076R0000		50
	0.354-0.512	15	0.591	1.142	1.142	1.280	1.484	EP-SG-M25-LGR-B	ISNG601079R0000		40
	9-16	10	0.394	33	33	37.2	38.4	EP-SG-M25-LGR-C	ISNG601082R0000		25
	0.354-0.630	15	0.591	1.299	1.299	1.465	1.512	EP-SG-M25-LGR-D	ISNG601085R0000		25
	11-17	8	0.315	29	29	32.5	37.7	EP-SG-M25-LGR-E	ISNG601088R0000		50
	0.433-0.669	15	0.591	1.142	1.142	1.280	1.484	EP-SG-M25-LGR-F	ISNG601091R0000		40
	13-18	10	0.394	33	33	37.2	38.4	EP-SG-M25-LGR-G	ISNG601094R0000		25
	0.512-0.708	15	0.591	1.299	1.299	1.465	1.512	EP-SG-M25-LGR-H	ISNG601097R0000		25

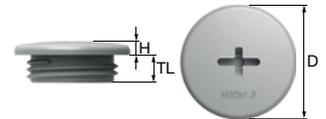
ROUND PLUGS

Polyamide, Round Plugs



Plugs, round, polyamide

- For standard industrial applications.
- Seal of housing hole when no cable gland is used
- Material: Body: PA6 / O-ring: NBR
- Ingress Protection Rating: IP 68 - 5 Bar, 30 min
- Flammability: V2 according to UL94
- Operating temperature:
 - Permanent: -20°C to +100°C
 - Intermittent: -30°C to +150°C
- Accessories (refers to dedicated page): Locknuts



Thread Type METRIC acc. to EN 60423

Outer Thread Size (Male)	Length		Outer Ø		Height		Light grey RAL 7035		Pkg
	TL		D		H		Description	Part Number	
	mm	in	mm	in	mm	in			per Box
M20x1.5	10	0.394	25	0.984	3	0.118	EP-ROP-M20-LGR-B	ISNG620016R0000	50
M25x1.5	10	0.394	30	1.181	4	0.157	EP-ROP-M25-LGR-B	ISNG620022R0000	50

All the main technical data provided are "manufacturer" values.

Technical data valid for copper conductors only.

RoHS
RoHS

Junction boxes

Pre-equipped plastic junction boxes

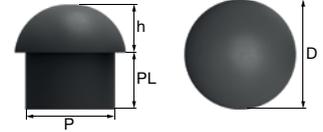
DOMES PLUGS

For industrial applications



Dome plugs for industrial applications

- Allows sealing of cable glands when no cable is used
- For standard industrial applications
- Material: PA 6
- Flammability: V2 acc. To UL94
- Operating temperature:
 - Permanent: -20°C to +100°C
 - Intermittent: -30°C to +150°C



Dome Plugs for Industrial Applications

Size	Plug				Outer Ø		Height		Dome Plug Fit Into Clamping Range Ø min-max				Light grey RAL 7035 <input type="checkbox"/>		Pkg
	Ø		Length		D		h		Standard Seal		Outer Seal		Description	Part Number	
	P		PL		D		h								
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
16	13	0.512	14	0.551	15.8	0.622	7.5	0.295	7-13	0.276-0.512	7-13	0.276-0.512	EP-DOP-SZ16-LGR-D	1SNG610031R0000	100
20	16.4	0.646	14.5	0.571	19.9	0.783	7.3	0.287	11-17	0.433-0.669	11-17	0.433-0.669	EP-DOP-SZ20-LGR-B	1SNG610043R0000	50

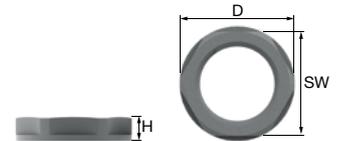
LOCKNUTS FLANGED

Polyamide



Locknuts flanged, polyamide

- Allows reliable fastening of cable glands
- For standard industrial applications
- Flanged design offers reliable sealing
- Material: PA 6 GF 30
- Flammability: HB acc. To UL94
- Operating temperature:
 - Permanent: -20°C to +100°C
 - Intermittent: -30°C to +150°C



Thread Type METRIC acc. to EN 60423

Inner Thread Size (Female)	Spanner Width SW		Outer Ø		Max. Height		Light grey RAL 7035 <input type="checkbox"/>		Pkg		
	mm	in	D		H		Description	Part Number			
			mm	in	mm	in	mm	in			
M20x1.5	26	1.024	28.6	1.126	6	0.236			EP-LN-M20-LGR-A	1SNG607007R0000	50
M25x1.5	32	1.260	35	1.378	6	0.236			EP-LN-M25-LGR-A	1SNG607010R0000	50

All the main technical data provided are "manufacturer" values.

Technical data valid for copper conductors only.

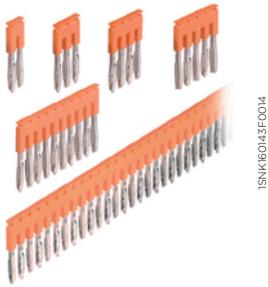
RoHS
RoHS

Junction boxes

Pre-equipped plastic junction boxes

SCREWLESS JUMPER BARS

Common terminal block accessories



1SNK90535P0014

- JB5**
5.2 mm 0.205 in spacing
- JB6**
6 mm 0.236 in spacing

Description

Facilitate & secure your jumper bar assembly process:

- Screwless mounting,
- Pre-cut poles for alternated jumpering between terminal blocks,
- Insulated,
- Positive locking,
- Perfectly adapted to low level electrical contact (20mA, 50mV).

Ordering details

Description	Color	Type	Part Number	Pkg		
				qty	Weight (1 pce) g	
5.2 mm 0.205 in spacing	Orange	2 poles	JB5-2	1SNK905302R0000	50	1.30
		3 poles	JB5-3	1SNK905303R0000	50	2.00
		4 poles	JB5-4	1SNK905304R0000	50	2.70
		5 poles	JB5-5	1SNK905305R0000	50	3.50
		10 poles	JB5-10	1SNK905310R0000	30	7.10
		50 poles	JB5-50	1SNK905350R0000	10	36.00
6 mm 0.236 in spacing	Orange	2 poles	JB6-2	1SNK906302R0000	50	1.30
		3 poles	JB6-3	1SNK906303R0000	50	2.10
		4 poles	JB6-4	1SNK906304R0000	50	2.90
		5 poles	JB6-5	1SNK906305R0000	50	3.60
		10 poles	JB6-10	1SNK906310R0000	20	7.40

Main technical data

Material specifications	Insulating material	Polyamide		
	Flammability	V0		
	NF F 16 101	I2F3		
Ambient temperature min/max	Service IEC 60068-2-1	-55 to +110°C	-67 to +230°F	
	Storage	-55 to +110°C	-67 to +230°F	
	Installing	-5 to +40°C	+23 to +104°F	
	IEC	UL - CSA	Ex e	
Rated current		32 A	30 A	
Rated voltage	1 - Standard use	1000 V	600 V	Please consult us
	2 - Cut extremities	800 V	300 V	
	3 - Cut poles	630 V	300 V	
	4 - Alternated poles	400 V	150 V	
	5 - Alternated poles with cut extremities	400 V	150 V	
Impulse withstand voltage		8000 V		
Protection		IP20	NEMA 1	
All the main technical data are indicative "manufacturer" values.				
	RoHS RoHS			

Mounting instructions

①

②

③

④

⑤

1 - Standard use

2 - Cut extremities
For voltage rating > 50 V and Uimp > 2.5 KV, the below accessories must be installed on the cut side of the jumper to achieve IP20 and voltage rating:

ZS...	Feed-through	CS circuit separator
ZK...	Double deck / triple deck	ES... end section
	All functions	EK... end section

To achieve a good straight cut by positioning the cutting tool on the vertical snicks of the insulated part of the jumper.
15 poles max. recommended for convenient mounting.

3 - Cut poles

4 - Alternated poles

5 - Alternated poles with cut extremities
When using cut jumpers, cut extremities should be placed oppositely to allow end sections / circuit separators placement at each cut extremities.
For all other applications, please consult us.

Technical data valid for copper conductors only.

Junction boxes

Pre-equipped plastic junction boxes

LABEL HOLDERS

Common terminal block accessories



ISNK160334V0014

LH
10 mm 0.394 in spacing

LH label holder

Description

- Easily identify your terminal blocks assembly with white or yellow labels,
- Adjustable in height for best visibility,
- Compatible with all SNK end stops.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
10 mm 0.394 in width	Dark grey <input checked="" type="checkbox"/>	LH	ISNK900605R0000	50	0.60

Main technical data

Material specifications	Insulating material	Polyamide			
	Flammability	V0			
	NF F 16 101	I2F2			
Ambient temperature min/max	Service IEC 60068-2-1	-55 to +110°C	-67 to +230°F		
	Storage	-55 to +110°C	-67 to +230°F		
	Installing	-5 to +40°C	+23 to +104°F		

All the main technical data provided are "manufacturer" values

RoHS
RoHS

Accessories

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Self-adhesive precut blank label compatible with HTP600	White <input type="checkbox"/>	MCLH	ISNK900630R0000	25	10.00
Self-adhesive precut blank label compatible with HTP600	White <input type="checkbox"/>	RCPEAD-TT	ISNA235158R0100	25	9.80
	Yellow <input type="checkbox"/>	RCPEAD-TT-YL	ISNA235159R0200	25	12.10
Pre-printed cover marker Protection for RCPEAD markers	Transparent <input checked="" type="checkbox"/>	EPR2	ISNA399726R0700	10	4.00
Self-adhesive precut blank label compatible with HTP600	Yellow <input type="checkbox"/>	MCLH-YL	ISNK900633R0000	25	10.00



ISNK60335V0014

LH
19.5 mm 0.768 in spacing

LH-R1 label holder

Description

- Easily identify your terminal blocks assembly with white or yellow labels,
- Adjustable in height for best visibility,
- Compatible with all SNK end stops.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
19.5 mm 0.768 in width	Dark grey <input checked="" type="checkbox"/>	LH-R1	ISNK900607R0000	50	1.10

Main technical data

Material specifications	Insulating material	Polyamide			
	Flammability	V0			
	NF F 16 101	I2F2			
Ambient temperature min/max	Service IEC 60068-2-1	-55 to +110°C	-67 to +230°F		
	Storage	-55 to +110°C	-67 to +230°F		
	Installing	-5 to +40°C	+23 to +104°F		

All the main technical data provided are "manufacturer" values

RoHS
RoHS

Accessories

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Self-adhesive precut blank label compatible with HTP600	White <input type="checkbox"/>	MCLH-R1	ISNK900631R0000	25	10.00
Precut blank label compatible with AMS600 Protection for RCPEB markers	White <input type="checkbox"/>	RCPEB	ISNA178430R0500	1	34.00
	Transparent <input checked="" type="checkbox"/>	EPR1	ISNA178431R2200	1	0.05
Self-adhesive precut blank label compatible with HTP600	White <input type="checkbox"/>	PIB2-TT	ISNA235155R2600	25	9.70
	Yellow <input type="checkbox"/>	PIB2-TT-YL	ISNA235157R2000	25	9.40
Self-adhesive precut blank label compatible with HTP600	Yellow <input type="checkbox"/>	MCLH-R1-YL	ISNK900634R0000	25	10.00

Mounting instructions



Technical data valid for copper conductors only.

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Note

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09/24

CATALOG

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