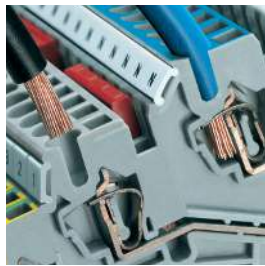


Three Level Spring Cage Installation Terminal Blocks STI

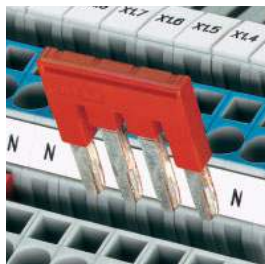
The outstanding feature of the new STI series of installation terminal blocks from Phoenix Contact is the space-saving "mini-spring" spring cage concept. With this spring cage connection, which is considerably smaller, the size of the 5 mm wide terminal block has been greatly reduced. The high quality features such as maximum connection space, the flexible plug-in bridge system and the generous labeling option have not been done away with.



Maximum connection space

Rational wiring of different types of conductors is a priority of installation terminal blocks. The dimensions of the STI terminal block conductor guides are such that solid and stranded conductors up to 4 mm² and stranded conductors up to 2.5 mm², even with ferrules and insulating sleeves can be connected.

and insulating sleeves can be connected.



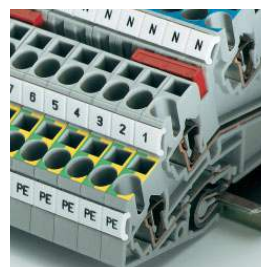
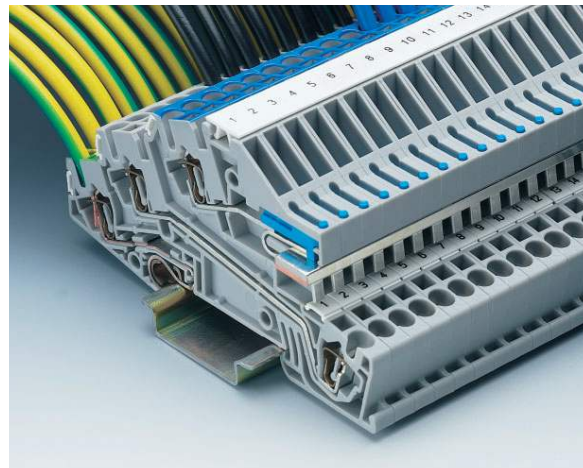
Power distribution

For fast and flexible power distribution, the STI terminal blocks have one bridge shaft for the FBS plug-in bridging system. The FBS plug-in bridges are available in the following number of positions: 2, 3, 4, 5, 10 and 20. A practical test connection can be achieved

in the bridge shaft of the terminal block.



Operation of the screwless N-disconnect slide is fast and requires only a standard screwdriver, reliable contacting being recognized by it snapping in. The position of the N-disconnect slide is also recognizable.



Marking

A clear assignment of the connection lines is a prerequisite for unambiguous and correct installation of terminal strips.

The STI series is ideally suited to these requirements. The generous labeling option in the terminal center using

ZB standard Zack ("quick") strip is always easily accessible and readily recognizable, even when wired. Moreover, each termination point can be individually labeled with the ZBF Zack strips.






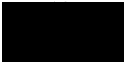

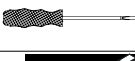


Three Level Installation Terminal Block STI 2,5-PE/L/NT



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611	0.08-4	0.08-4	28-12	20	*
* phase conductor/phase conductor					400
phase conductor/PE					250
phase conductor/N					250

Technical data

Three level installation terminal block,
with green-yellow PE connection, phase conductor
connection L and blue neutral disconnection NT

(1) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections	Cross section range:	
	0.08-0.2 mm ²	white
	0.25-0.5 mm ²	gray
	0.75-1 mm ²	black
(3) Plug-in bridge , for cross-connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Partition plate , for visual and electrical separation of terminal groups, 2 mm thick		
(5) Neutral busbar , 3 x 10 mm, 1m long, copper, tin-plated		
(6) Support , blue insulating material, for mounting the neutral busbar, to be interposed at intervals of 20 cm, 2 mm wide		
(7) Test adapter , for 4 mm Ø test plug PS and 4 mm Ø safety test plug, making contact in the bridge shaft		
(8) Screwdriver , for actuating the tension spring		
(9) Zack strip , flat, for labeling the outer marker grooves	white	
(10) Zack strip , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

Dimensions

Width / length / end cover width	[mm]	5.2 / 97 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	50.5 / 58

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm ²]	20 / 4
Current carrying capacity of the neutral busbar	[A]	140
Rated surge voltage / contamination class	[kV] / -	4 ¹⁾ / 6 ²⁾ / 3
Surge voltage category / insulation material group	- / -	III / I

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with ferrule without plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	[mm ²]	0.5
Stripping length	[mm]	10

Internal cylindrical gauge (IEC 60 947-1)

Insulation material	PA
Inflammability class acc. to UL 94	V0

Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	-
	CSA/CUL: [V] / [A] / AWG	-

¹⁾ Potential-Ground ²⁾ Potential-Potential

Type	Order No.	Pcs. Pkt.	
STI 2,5-PE/L/NT	30 31 82 7	50	
D-STI/3	30 30 84 4	10	
ISH 2,5/0,2	30 02 84 3	50	
ISH 2,5/0,5	30 02 85 6	50	
ISH 2,5/1	30 02 86 9	50	
FBS 2-5	$I_{max.}: 24 A$	30 30 16 1	10
FBS 3-5	$24 A$	30 30 17 4	10
FBS 4-5	$24 A$	30 30 18 7	10
FBS 5-5	$24 A$	30 30 19 0	10
FBS 10-5	$24 A$	30 30 21 3	10
FBS 20-5	$24 A$	30 30 22 6	10
ATP-STI/3	30 30 85 7	10	
NLS-CU 3/10	$I_{max.}: 140 A$	04 02 17 4	10
AB-STI/3	30 30 83 1	10	
PAI 4	30 30 92 5	10	
SZF 1 - 0,6 x 3,5	12 04 51 7	10	
ZBF 5:UNPRINTED	08 08 64 2	10	
ZB 5: UNPRINTED	10 50 00 4	10	










Three Level Installation Terminal Block STI 2,5-PE/L/L



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611	0.08-4	0.08-4	28-12	24	*
* phase conductor/phase conductor					400
phase conductor/PE					250

Technical data

Three level installation terminal block,
with green-yellow PE connection, and two
phase conductor connections L

(1) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections	Cross section range:	
	0.08-0.2 mm ²	white
	0.25-0.5 mm ²	gray
	0.75-1 mm ²	black
(3) Plug-in bridge , for cross-connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Partition plate , for visual and electrical separation of terminal groups, 2 mm thick		
(5) Support , blue insulating material, for mounting the neutral busbar, to be interposed at intervals of 20 cm, 2 mm wide		
(6) Test adapter , for 4 mm Ø test plug PS and 4 mm Ø safety test plug, making contact in the bridge shaft		
(7) Screwdriver , for actuating the tension spring		
(8) Zack strip , flat, for labeling the outer marker grooves	white	
(9) Zack strip , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

Dimensions

Width / length / end cover width	[mm]
Height (NS 35/7.5 / NS 35/15)	[mm]

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm ²]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]
Stranded with ferrule without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]
Stripping length	[mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulation material

Inflammability class acc. to UL 94

Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

1) Potential-Ground 2) Potential-Potential

Type	Order No.	Pcs. Pkt.
STI 2,5-PE/L/L	30 31 83 0	50
D-STI/3	30 30 84 4	10
ISH 2,5/0,2	30 02 84 3	50
ISH 2,5/0,5	30 02 85 6	50
ISH 2,5/1	30 02 86 9	50
FBS 2-5	$I_{max.}: 24 A$ 30 30 16 1	10
FBS 3-5	$24 A$ 30 30 17 4	10
FBS 4-5	$24 A$ 30 30 18 7	10
FBS 5-5	$24 A$ 30 30 19 0	10
FBS 10-5	$24 A$ 30 30 21 3	10
FBS 20-5	$24 A$ 30 30 22 6	10
ATP-STI/3	30 30 85 7	10
AB-STI/3	30 30 83 1	10
PAI 4	30 30 92 5	10
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBF 5:UNPRINTED	08 08 64 2	10
ZB 5: UNPRINTED	10 50 00 4	10

5.2 / 97 / 2.2
50.5 / 58
24 / 4
4 ¹⁾ / 6 ²⁾ / 3
III / I
0.25 - 2.5
0.25 - 2.5
0.5
10
A 3
PA
V0
-
-









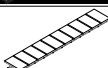
Three Level Installation Terminal Block STI 2,5-PE/L/N



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611	0.08-4	0.08-4	28-12	24	*
* phase conductor/phase conductor					400
phase conductor/PE					250
phase conductor/N					250

Technical data

Three level installation terminal block,
with green-yellow PE connection, phase conductor
connection L and blue N connection

(1) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections	Cross section range: 0.08-0.2 mm ² 0.25-0.5 mm ² 0.75-1 mm ²	white gray black 
(3) Plug-in bridge , for cross-connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Partition plate , for visual and electrical separation of terminal groups, 2 mm thick		
(5) Support , blue insulating material, for mounting the neutral busbar, to be interposed at intervals of 20 cm, 2 mm wide		
(6) Test adapter , for 4 mm Ø test plug PS and 4 mm Ø safety test plug, making contact in the bridge shaft		
(7) Screwdriver , for actuating the tension spring		
(8) Zack strip , flat, for labeling the outer marker grooves	white	
(9) Zack strip , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

Dimensions

Width / length / end cover width	[mm]	5.2 / 97 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	50.5 / 58

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm ²]	24 / 4
Rated surge voltage / contamination class	[kV] / -	4 ¹⁾ / 6 ²⁾ / 3
Surge voltage category / insulation material group	- / -	III / I

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with ferrule without plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	[mm ²]	0.5
Stripping length	[mm]	10

Internal cylindrical gauge (IEC 60 947-1)

Insulation material		A 3
Inflammability class acc. to UL 94		PA
		V0

Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	-
	CSA/CUL: [V] / [A] / AWG	-

1) Potential-Ground 2) Potential-Potential

Type	Order No.	Pcs. Pkt.	
STI 2,5-PE/L/N	30 31 84 3	50	
D-STI/3	30 30 84 4	10	
ISH 2,5/0,2	30 02 84 3	50	
ISH 2,5/0,5	30 02 85 6	50	
ISH 2,5/1	30 02 86 9	50	
FBS 2-5	$I_{max.}$: 24 A	30 30 16 1	10
FBS 3-5	24 A	30 30 17 4	10
FBS 4-5	24 A	30 30 18 7	10
FBS 5-5	24 A	30 30 19 0	10
FBS 10-5	24 A	30 30 21 3	10
FBS 20-5	24 A	30 30 22 6	10
ATP-STI/3	30 30 85 7	10	
AB-STI/3	30 30 83 1	10	
PAI 4	30 30 92 5	10	
SZF 1 - 0,6 x 3,5	12 04 51 7	10	
ZBF 5:UNPRINTED	08 08 64 2	10	
ZB 5: UNPRINTED	10 50 00 4	10	








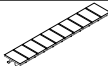
Three Level Installation Terminal Block STI 2,5-L/L



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611	0.08-4	0.08-4	28-12	24	*
* phase conductor/phase conductor					400

Technical data

Three level installation terminal block,
with two phase conductor connections L

(1) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.08-0.2 mm ² 0.25-0.5 mm ² 0.75-1 mm ²	white gray black
(3) Plug-in bridge , for cross-connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Partition plate , for visual and electrical separation of terminal groups, 2 mm thick		
(5) Support , blue insulating material, for mounting the neutral busbar, to be interposed at intervals of 20 cm, 2 mm wide		
(6) Test adapter , for 4 mm Ø test plug PS and 4 mm Ø safety test plug, making contact in the bridge shaft		
(7) Screwdriver , for actuating the tension spring		
(8) Zack strip , flat, for labeling the outer marker grooves	white	
(9) Zack strip , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

Dimensions

Width / length / end cover width	[mm]	5.2 / 97 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	50.5 / 58

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm ²]	24 / 4
Rated surge voltage / contamination class	[kV] / -	6 / 3
Surge voltage category / insulation material group	- / -	III / I

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with ferrule without plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	[mm ²]	0.5
Stripping length	[mm]	10

Internal cylindrical gauge (IEC 60 947-1)

Insulation material		A 3
Inflammability class acc. to UL 94		PA
		V0

Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	-
	CSA/CUL: [V] / [A] / AWG	-

Type	Order No.	Pcs. Pkt.	
STI 2,5-L/L	30 31 85 6	50	
D-STI/3	30 30 84 4	10	
ISH 2,5/0,2	30 02 84 3	50	
ISH 2,5/0,5	30 02 85 6	50	
ISH 2,5/1	30 02 86 9	50	
FBS 2-5	$I_{max.}$: 24 A	30 30 16 1	10
FBS 3-5	24 A	30 30 17 4	10
FBS 4-5	24 A	30 30 18 7	10
FBS 5-5	24 A	30 30 19 0	10
FBS 10-5	24 A	30 30 21 3	10
FBS 20-5	24 A	30 30 22 6	10
ATP-STI/3	30 30 85 7	10	
AB-STI/3	30 30 83 1	10	
PAI 4	30 30 92 5	10	
SZF 1 - 0,6 x 3,5	12 04 51 7	10	
ZBF 5:UNPRINTED	08 08 64 2	10	
ZB 5: UNPRINTED	10 50 00 4	10	






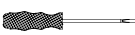


Three Level Installation Terminal Block STI 2,5-L



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.08-4	0.08-4	28-12	24	400

Technical data

Three level installation terminal block,
with two phase conductor connections L

(1) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.08-0.2 mm ² 0.25-0.5 mm ² 0.75-1 mm ²	white gray black
(3) Plug-in bridge , for cross-connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Partition plate , for visual and electrical separation of terminal groups, 2 mm thick		
(5) Support , blue insulating material, for mounting the neutral busbar, to be interposed at intervals of 20 cm, 2 mm wide		
(6) Test adapter , for 4 mm Ø test plug PS and 4 mm Ø safety test plug, making contact in the bridge shaft		
(7) Screwdriver , for actuating the tension spring		
(8) Zack strip , flat, for labeling the outer marker grooves	white	
(9) Zack strip , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

Dimensions

Width / length / end cover width	[mm]	5.2 / 97 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	50.5 / 58

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm ²]	24 / 4
Rated surge voltage / contamination class	[kV] / -	6 / 3
Surge voltage category / insulation material group	- / -	III / I

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with ferrule without plastic sleeve	[mm ²]	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	[mm ²]	0.5
Stripping length	[mm]	10

Internal cylindrical gauge (IEC 60 947-1)

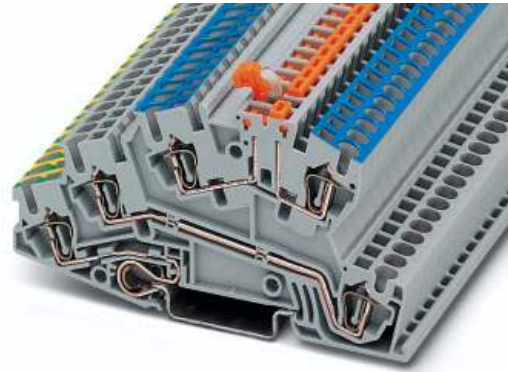
Insulation material		A 3
Inflammability class acc. to UL 94		PA
		V0

Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	-
	CSA/CUL: [V] / [A] / AWG	-

Type	Order No.	Pcs. Pkt.	
STI 2,5-L	30 31 86 9	50	
D-STI/3	30 30 84 4	10	
ISH 2,5/0,2	30 02 84 3	50	
ISH 2,5/0,5	30 02 85 6	50	
ISH 2,5/1	30 02 86 9	50	
FBS 2-5	$I_{max.}$: 24 A	30 30 16 1	10
FBS 3-5	24 A	30 30 17 4	10
FBS 4-5	24 A	30 30 18 7	10
FBS 5-5	24 A	30 30 19 0	10
FBS 10-5	24 A	30 30 21 3	10
FBS 20-5	24 A	30 30 22 6	10
ATP-STI/3	30 30 85 7	10	
AB-STI/3	30 30 83 1	10	
PAI 4	30 30 92 5	10	
SZF 1 - 0,6 x 3,5	12 04 51 7	10	
ZBF 5:UNPRINTED	08 08 64 2	10	
ZB 5: UNPRINTED	10 50 00 4	10	











Three Level Installation Terminal Block STI 2,5-PE/L/NTB



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611	0.08-4	0.08-4	28-12	24 (16) ²⁾	400
	2)phase conductor/phase conductor				250
	phase conductor/PE				250
	phase conductor/N				250

Technical data

Three level installation terminal block,
with green-yellow PE connection, phase conductor
connection L and blue neutral disconnection NT

(1) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections	Cross section range: 0.08-0.2 mm ² 0.25-0.5 mm ² 0.75-1 mm ²	white gray black 
(3) Plug-in bridge , for cross-connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Partition plate , for visual and electrical separation of terminal groups, 2 mm thick		
(5) Test adapter , for 4 mm Ø test plug PS and 4 mm Ø safety test plug, making contact in the bridge shaft		
(6) Modular test plug , for individual assembly of test plug strips, can be labeled with ZBF 5		
(7) Warning cover , for the operating shafts of the ST "mini spring" spring cage terminal blocks		
(8) Screwdriver , for actuating the tension spring		
(9) Zack strip , flat, for labeling the outer marker grooves	white	
(10) Zack strip , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

Dimensions

Width / length / end cover width	[mm]
Height (NS 35/7.5 / NS 35/15)	[mm]

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm ²]
¹⁾ Maximum load current / disconnect area	[A]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]
Stranded with ferrule without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]
Stripping length	[mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulation material

Inflammability class acc. to UL 94

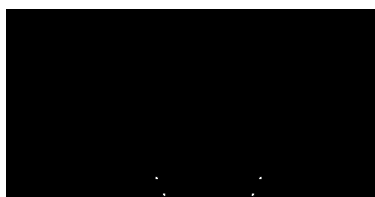
Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

Type	Order No.	Pcs. Pkt.
STI 2,5-PE/L/NTB	30 38 64 2	50
D-STI/3B	30 38 65 5	10
ISH 2,5/0,2	30 02 84 3	50
ISH 2,5/0,5	30 02 85 6	50
ISH 2,5/1	30 02 86 9	50
FBS 2-5	$I_{max.}$: 24 A	30 30 16 1
FBS 3-5	24 A	30 30 17 4
FBS 4-5	24 A	30 30 18 7
FBS 5-5	24 A	30 30 19 0
FBS 10-5	24 A	30 30 21 3
FBS 20-5	24 A	30 30 22 6
ATP-STI/3	30 30 85 7	10
PAI 4	30 30 92 5	10
PS-E	30 36 70 9	10
PS-5	30 30 98 3	10
WST 2,5	30 30 94 1	50
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBF 5:UNPRINTED	08 08 64 2	10
ZB 5: UNPRINTED	10 50 00 4	10

Width / length / end cover width	5.2 / 97 / 2.2
Height (NS 35/7.5 / NS 35/15)	50.5 / 58
Maximum load current / cross section	24 / 4
¹⁾ Maximum load current / disconnect area	16
Rated surge voltage / contamination class	4 / 3
Surge voltage category / insulation material group	III / I
Stranded with ferrule with plastic sleeve	0.25 - 2.5
Stranded with ferrule without plastic sleeve	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	0.5
Stripping length	10
Internal cylindrical gauge (IEC 60 947-1)	A 3
Insulation material	PA
Inflammability class acc. to UL 94	V0
Approval data (UL and CSA/CUL)	-
Nom. voltage / nom. current / conduc. sizes	-
	-

Technical data



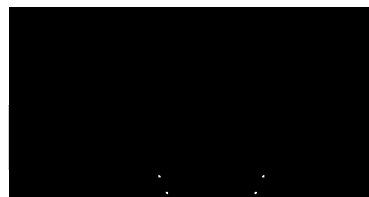
STI 2,5-PE/L/NT



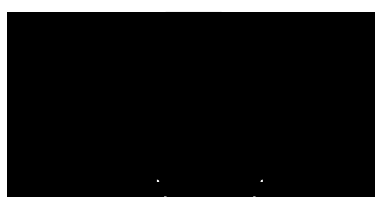
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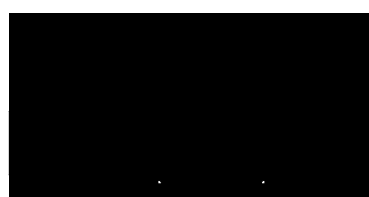
STI 2,5-PE/L/N



STI 2,5-L/L



STI 2,5-L



STI 2,5-PE/L/NTB