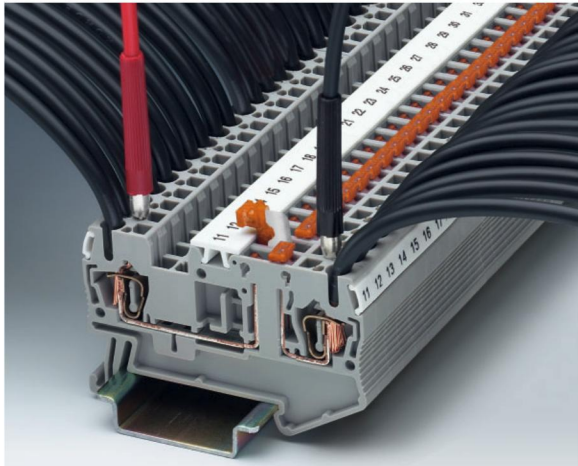


Spring Cage Knife Disconnect Terminal Blocks ST

Feed-through terminals with knife disconnect option are a standard in state-of-the-art control technology. The ST knife disconnect terminal blocks feature a particularly narrow construction of 5 mm and a high current carrying capacity of 16 A. The terminal blocks also have a test connection parallel to the disconnect point for a 2.3 mm Ø test connector. Potential distribution is easily wired by means of plug-in bridges. Three and four-conductor terminal blocks are available for multi-conductor connections. With their compact design these terminals can also be used in small terminal boxes where they provide user-friendly wiring thanks to the front connection.



Phoenix Contact GmbH & Co. KG • 32823 Blomberg, Germany
Phone +49 52 35 3-00 • Fax +49 52 35 3-4 12 00 • www.phoenixcontact.com

Spring Cage Knife Disconnect Feed-Through Terminal Block

ST 2,5-MT





(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.08-4	0.08-2.5	28-12	16	400

Technical data


Spring cage terminal block,
for mounting on  gray terminal width 5.2


(1) **End cover** gray 


(2) **Insulating stop sleeve**, prevents unintentional clamping of the insulation in the case of smaller cross sections
Cross section range: 0.08-0.2 mm² white
0.25-0.5 mm² gray
0.75-1 mm² black 

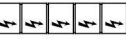
(3) **Plug-in bridge**, for cross-connections in the terminal center 2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos. 

(4) **Partition plate**, for visual and electrical separation of terminal groups, 2 mm thick 


(5) **Test adapter**, for 4 mm Ø test connector PS and 4 mm Ø safety test connectors, making contact in the bridge shaft 


(6) **2.3 mm Ø test connector¹⁾**, consisting of metal part and red insulating sleeve 

(7) **Modular test connector**, can be labeled with ZBF 5 

(8) **Warning cover**, for the operating shafts of the "mini-spring" ST spring cage terminal blocks 

(9) **Screwdriver**, for actuating the tension spring 

(10) **Zack strip**, flat, for labeling the outer marker grooves white 

(11) **Zack strip**, 10-section, for labeling in the terminal center 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)

Insulating material

Inflammability class in accordance with UL 94

Approval data (UL and CSA/CUL)

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

¹⁾ Further colors on request.

Type	Order No.	Pcs. Pkt.
ST 2,5-MT	30 36 34 3	50
D-ST 2,5-TWIN	30 30 48 8	50
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	50
FBS 3-5	24 A 30 30 17 4	50
FBS 4-5	24 A 30 30 18 7	50
FBS 5-5	24 A 30 30 19 0	50
FBS 10-5	24 A 30 30 21 3	10
FBS 20-5	24 A 30 30 22 6	10
ATP-ST-TWIN	30 30 78 9	50
PAI 4	30 30 92 5	10
MPS-RD	02 01 55 3	10
PS 5	30 30 98 3	10
WST 2,5	30 30 94 1	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 / 60.5 / 2.2

36.5 / 44

16 / 4

6 / 3

III / I

0.25 - 2.5

0.25 - 2.5

0.5

10

A 3

PA

V0

-

-

Spring Cage Knife Disconnect Three-Conductor Terminal Block


ST 2,5-TWIN-MT



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.08-4	0.08-2.5	28-12	16*	400

* The max. load current must not be exceeded by the residual current of all connected conductors.

Technical data

Spring cage terminal block,
for mounting on 

gray terminal width 5.2

(1) **End cover**

gray



(2) **Insulating stop sleeve**, prevents unintentional clamping of the insulation in the case of smaller cross sections

Cross section range:

0.08-0.2 mm²

0.25-0.5 mm²

0.75-1 mm²



white

gray

black

(3) **Plug-in bridge**, for cross-connections in the terminal center

2-pos.

3-pos.

4-pos.

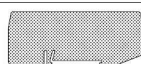
5-pos.

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 connector PS and 4 mm Ø safety test connectors, making contact in the bridge shaft



(6) **2.3 mm Ø test connector¹⁾**, consisting of metal part and red insulating sleeve



(7) **Modular test connector**, can be labeled with ZBF 5



(8) **Warning cover**, for the operating shafts of the "mini-spring" ST spring cage terminal blocks



(8) **Screwdriver**, for actuating the tension spring



(10) **Zack strip**, flat, for labeling the outer marker grooves

white



(11) **Zack strip**, 10-section, for labeling in the terminal center

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] / [mm²]

Rated surge voltage / contamination class [kV] / -

Surge voltage category / insulation material group - / -

Connection capacity

Stranded with ferrule with plastic sleeve [mm²]

Stranded with ferrule without plastic sleeve [mm²]

Stranded with TWIN ferrule with plastic sleeve [mm²]

Stripping length [mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulating material

Inflammability class in accordance with 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.
ST 2,5-TWIN-MT	30 36 35 6	50
D-ST 2,5-QUATTRO	30 30 51 4	50
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	50
FBS 3-5	24 A 30 30 17 4	50
FBS 4-5	24 A 30 30 18 7	50
FBS 5-5	24 A 30 30 19 0	50
FBS 10-5	24 A 30 30 21 3	10
FBS 20-5	24 A 30 30 22 6	10
ATP-ST QUATTRO	30 30 81 5	50
PAI 4	30 30 92 5	10
MPS-RD	02 01 55 3	10
PS 5	30 30 98 3	10
WST 2,5	30 30 94 1	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 / 72 / 2.2

36.5 / 44

16 / 4

6 / 3

III / I

0.25 - 2.5

0.25 - 2.5

0.5

10

A 3

PA

V0

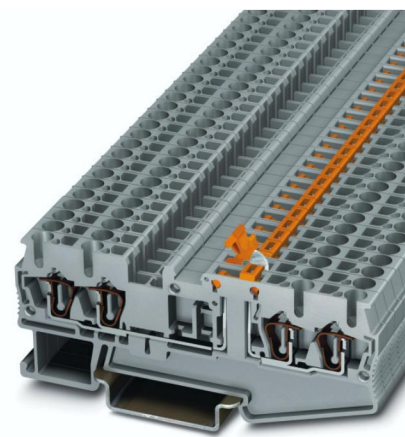
-

-

¹⁾ Further colors on request.

Spring Cage Knife Disconnect Four-Conductor Terminal Block

ST 2,5-QUATTRO-MT





(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.08-4	0.08-2.5	28-12	16*	400







* The max. load current must not be exceeded by the residual current of all connected conductors.


Technical data


Spring cage terminal block,
for mounting on  gray terminal width 5.2


(1) **End cover** gray 

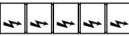
(2) **Insulating stop sleeve**, prevents unintentional clamping of the insulation in the case of smaller cross sections
Cross section range: 0.08-0.2 mm² white
0.25-0.5 mm² gray
0.75-1 mm² black 


(3) **Plug-in bridge**, for cross-connections in the terminal center
2-pos. 
3-pos. 
4-pos. 
5-pos. 
10-pos. 
20-pos. 


(4) **Test adapter**, for 4 mm Ø test connector PS and 4 mm Ø safety test connectors, making contact in the bridge shaft 


(5) **2.3 mm Ø test connector¹⁾**, consisting of metal part and red insulating sleeve 

(6) **Modular test connector**, can be labeled with ZBF 5 

(7) **Warning cover**, for the operating shafts of the "mini-spring" ST 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 white 

Dimensions

Width / length / end cover width	[mm]	5.2 / 84 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	36.5 / 44

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm ²]	16 / 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)

Insulating material		PA
Inflammability class in accordance with 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⁾ Further colors on request.

Type	Order No.	Pcs. Pkt.
ST 2,5-QUATTRO-MT	30 36 57 6	50
D-ST 2,5-QUATTRO-MT	30 38 59 0	50
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	50
FBS 3-5	24 A 30 30 17 4	50
FBS 4-5	24 A 30 30 18 7	50
FBS 5-5	24 A 30 30 19 0	50
FBS 10-5	24 A 30 30 21 3	10
FBS 20-5	24 A 30 30 22 6	10
PAI 4	30 30 92 5	10
MPS-RD	02 01 55 3	10
PS 5	30 30 98 3	10
WST 2,5	30 30 94 1	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

© PHOENIX CONTACT 15.03.03 TNR: 5125786-01 http://www.phoenixcontact.com