

Spring Clamp Terminal Blocks



Products

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	ST061xxHDNN *(AST061)	 130 V / 10 A / 28-20  130 V / 6 A / 0.5 mm ²	   	23
	ST021xxHDNN *(AST021)	 150 V / 8 A / 28-20  130 V / 6 A / 0.5 mm ²	   	23
	ST041xxDDNN *(AST041)	 150 V / 8 A / 28-18  130 V / 6 A / 0.5 mm ²	   	24
	ST072xxHGNN *(AST072)	 150 V / 6 A / 26-20  130 V / 6 A / 0.5 mm ²	   	25
	ST072xxVGNN *(AST082)	 150 V / 6 A / 26-20  130 V / 6 A / 0.5 mm ²	   	25
	SR213xxHBNC *(AST223)	 150 V / 10 A / 28-16  130 V / 17.5 A / 1.5 mm ²	     	26
	SR213xxHBPC	150 V / 10 A / 28-16  130 V / 17.5 A / 1.5 mm ²	     	26
	SR213xxDBNC *(AST233)	 150 V / 10 A / 28-16  130 V / 17.5 A / 1.5 mm ²	     	27
	SR213xxDBPC	 130 V / 10 A / 28-16  130 V / 17.5 A / 1.5 mm ²	     	27
	SR213xxVBNC *(AST213)	 150 V / 10 A / 28-16  130 V / 17.5 A / 1.5 mm ²	     	28
	SR213xxVBPC	 150 V / 10 A / 28-16  130 V / 17.5 A / 1.5 mm ²	     	28



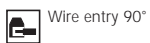
Spring clamp terminal block



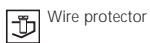
Solderable



Designed for THR



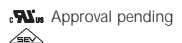
Wire entry 90°



Wire protector



Wire entry 0°



Approval pending



Lift system



Pluggable



Designed for SMT








Centerline



Diagonal wire entry



Tape & Reel possible

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	ST024xxHDNC *(AST024)	150 V / 7 A / 28-20 250 V / 6 A / 0.5 mm ²		29
	SR215xxHBNC *(AST225)	300 V / 10 A / 28-16 250 V / 17.5 A / 1.5 mm ²		30
	SR215xxHBPC	300 V / 10 A / 28-16 250 V / 17.5 A / 1.5 mm ²		30
	SR255xxHBNC	300 V / 18 A / 24-12 250 V / 9 A / 0.75 mm ²		-
	ST065xxHDNN *(AST065)	300 V / 13 A / 28-14 250 V / 13.5 A / 1 mm ²		31
	ST025xxHDNC *(AST025)	300 V / 13 A / 28-14 250 V / 13.5 A / 1 mm ²		31
	ST055xxHBNC *(AST055)	300 V / 12 A / 28-12 250 V / 20 A / 2.5 mm ²		32
	ST095xxHDNN *(AST095)	300 V / 15 A / 28-12 250 V / 13.5 A / 1 mm ²		32
	SR215xxDBNC *(AST235)	300 V / 10 A / 28-16 250 V / 17.5 A / 1.5 mm ²		33
	ST045xxDDNC *(AST045)	300 V / 13 A / 28-14 250 V / 13.5 A / 1 mm ²		33
	ST255xxHBNC	300 V / 12 A / 24-12 250 V / 9 A / 0.75 mm ²		-

Products

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	ST255xxHBNR	300 V / 12 A / 24–12 250 V / 9 A / 0.75 mm ²	   	-
	ST255xxHDNL	300 V / 12 A / 24–12 250 V / 9 A / 0.75 mm ²	   	-
	ST255xxHDNR	 300 V / 12 A / 24–12  250 V / 9 A / 0.75 mm ²	   	-
	ST135xxDDNC *(AST135)	 300 V / 13 A / 28–14  250 V / 24 A / 2.5 mm ²	   	34
	ST175xxLDNN *(AST175)	 300 V / 15 A / 28–12  250 V / 13.5 A / 1 mm ²	   	34
	ST185xxLDNN *(AST185)	 300 V / 15 A / 28–12  250 V / 13.5 A / 1 mm ²	   	35
	SR215xxVBNC *(AST215)	 300 V / 10 A / 28–16  250 V / 17.5 A / 1.5 mm ²	     	35
	SR215xxVBPC	 300 V / 10 A / 28–16  250 V / 17.5 A / 1.5 mm ²	     	36
	ST105xxVDNN *(AST105)	 300 V / 15 A / 28–12  250 V / 13.5 A / 1 mm ²	   	36
	ST125xxVDNN *(AST125)	 300 V / 15 A / 28–12  250 V / 13.5 A / 1 mm ²	   	37
	ST145xxVDNN *(AST145)	 300 V / 17 A / 28–14  450 V / 17.5 A / 1.5 mm ²	   	37



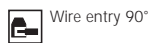
Spring clamp terminal block



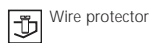
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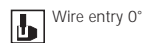
Designed for THR



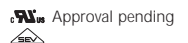
Wire entry 90°



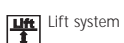
Wire protector



Wire entry 0°



Approval pending



Lift system



Pluggable



Designed for SMT











































































Centerline



Diagonal wire entry



Tape & Reel possible

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	ST176xxLDNN *(AST176)	 300 V / 15 A / 28-12  250 V / 13.5 A / 1 mm ²	   	38
	ST186xxLDNN *(AST186)	 300 V / 15 A / 28-12  250 V / 13.5 A / 1 mm ²	   	38
	ST027xxHDNC *(AST027)	 600 V / 13 A / 28-14  750 V / 13.5 A / 1 mm ²	   	39
	ST057xxHBNC *(AST057)	 300 V / 17 A / 28-12  250 V / 20 A / 2.5 mm ²	   	40
	ST047xxDDNC *(AST047)	 600 V / 13 A / 28-14  750 V / 13.5 A / 1 mm ²	   	40
	SR207xxDBVN	 300 V / 16 A / 20-14  250 V / 24 A / 2.5 mm ²	    	-
	ST137xxDDNC *(AST137)	 300 V / 13 A / 28-14  750 V / 24 A / 2.5 mm ²	   	41
	ST177xxLDNN *(AST177)	 750 V / 15 A / 28-12  250 V / 13.5 A / 1 mm ²	   	41
	ST187xxLDNN *(AST187)	 750 V / 15 A / 28-12  250 V / 13.5 A / 1 mm ²	   	42
	ST098xxHDNN *(AST098)	 600 V / 15 A / 28-12  250 V / 13.5 A / 1 mm ²	   	43
	ST178xxLDNN *(AST178)	 750 V / 15 A / 28-12  250 V / 13.5 A / 1 mm ²	   	43

Products

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	ST188xxLDNN *(AST188)	 750 V / 15 A / 28–12  250 V / 13.5 A / 1 mm ²	   	44
	ST108xxVDNN *(AST108)	 600 V / 15 A / 28–12  250 V / 13.5 A / 1 mm ²	   	44
	ST128xxVDNN *(AST128)	 600 V / 15 A / 28–12  250 V / 13.5 A / 1 mm ²	   	45
	ST029xxHDNC	 300 V / 13 A / 28–14  800 V / 13.5 A / 1 mm ²	   	-
	ST059xxHBNC *(AST059)	 600 V / 12 A / 28–12  250 V / 10 A / 2.5 mm ²	   	46
	ST139xxDDNC *(AST139)	 300 V / 13 A / 28–14  800 V / 24 A / 2.5 mm ²	   	46
	SP051xxVGNN *(ASP051)	 150 V / 5 A / 28–20  80 V / 6 A / 0.08–0.5 mm ²	   	47
	SP043xxVBNN *(ASP043)	 150 V / 10 A / 28–16  130 V / 10 A / 0.08–1.5 mm ²	   	48
	SW063xxVBNN	 150 V / 8 A / 28–16  130 V / 8 A / 0.08–1.5 mm ²	   	48
	SP063xxVGNN *(ASP063)	 150 V / 8 A / 28–16  130 V / 8 A / 0.08–1.5 mm ²	   	49
	SP063xxVGNF *(ASP083)	 150 V / 8 A / 28–16  130 V / 8 A / 0.08–1.5 mm ²	   	49



Spring clamp terminal block



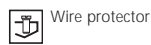
Solderable



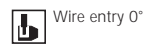
Designed for THR



Wire entry 90°



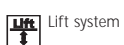
Wire protector



Wire entry 0°



Approval pending



Lift system



Pluggable



Designed for SMT



Centerline



Diagonal wire entry



Tape & Reel possible

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	SP044xxVBNN *(ASP044)	 150 V / 10 A  130 V / 10 A / 0.08–1.5 mm ²	   	50
	SP064xxVGNN *(ASP064)	 150 V / 8 A / 28–16  130 V / 9 A / 0.08–1.5 mm ²	   	50
	SP064xxVGNF *(AP084)	 150 V / 8 A / 28–16  130 V / 9 A / 0.08–1.5 mm ²	   	51
	SP025xxHDNC *(ASP025)	 300 V / 8 A / 28–16  250 V / 10 A / 0.08–1.5 mm ²	   	52
	SP145xxHBNC *(ASP145)	 300 V / 6 A / 28–16  250 V / 13.5 A / 0.08–1.5 mm ²	   	52
	SP145xxHBVC	 300 V / 6 A / 28–16  250 V / 13.5 A / 0.08–1.5 mm ²	   	-
	SP145xxHBPC	 300 V / 6 A / 28–16  250 V / 13.5 A / 0.08–1.5 mm ²	   	-
	SP155xxHBNC *(ASP155)	 300 V / 6 A / 28–16  250 V / 13.5 A / 0.08–1.5 mm ²	   	53
	SP155xxHBPC	 300 V / 6 A / 28–16  250 V / 13.5 A / 0.08–1.5 mm ²	   	-
	SP045xxVBNC *(ASP045)	 300 V / 10 A / 28–16  250 V / 10 A / 0.08–1.5 mm ²	   	53
	SP065xxVBNC	 300 V / 12 A / 28–12  250 V / 12 A / 0.08–2.5 mm ²	   	54

Products

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	SPO65xxVBPC	UL 300 V / 12 A / 28-12 CSA 250 V / 12 A / 0.08-2.5 mm ²	   	54
	SPO65xxVBNF	UL 300 V / 12 A / 28-12 CSA 250 V / 12 A / 0.08-2.5 mm ²	   	55
	SPO65xxVBPF	UL 300 V / 12 A / 28-12 CSA 250 V / 12 A / 0.08-2.5 mm ²	   	55
	SP995xxVBNC	UL 250 V / 10.5 A / 24-14 CSA 250 V / 10.5 A / 0.2-2.5 mm ²	   	56
	SPO46xxVBNC *(ASP046)	UL 300 V / 10 A / 28-16 CSA 250 V / 10 A / 0.08-1 mm ²	   	57
	SPO66xxVBNC	UL 300 V / 12 A / 28-12 CSA 250 V / 12 A / 0.08-2.5 mm ²	   	57
	SPO66xxVBPC	UL 300 V / 12 A / 28-12 CSA 250 V / 12 A / 0.08-2.5 mm ²	   	58
	SPO66xxVBNF	UL 300 V / 12 A / 28-12 CSA 250 V / 12 A / 0.08-2.5 mm ²	   	58
	SPO66xxVBPF	UL 300 V / 12 A / 28-12 CSA 250 V / 12 A / 0.08-2.5 mm ²	   	59
	SPO49xxVBNC *(ASP049)	UL 300 V / 8 A / 28-16 CSA 630 V / 10 A / 0.08-1 mm ²	   	60
	SP129xxVBNF *(ASP129)	UL 300 V / 10 A / 28-12 CSA 630 V / 12 A / 0.08-2.5 mm ²	   	60



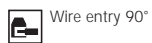
Spring clamp terminal block



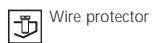
Solderable



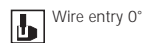
Designed for THR



Wire entry 90°



Wire protector



Wire entry 0°



Approval pending



Lift system



Pluggable



Designed for SMT






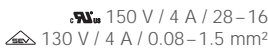


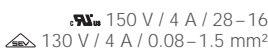


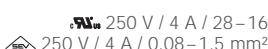


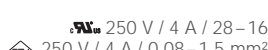













Centerline



Diagonal wire entry

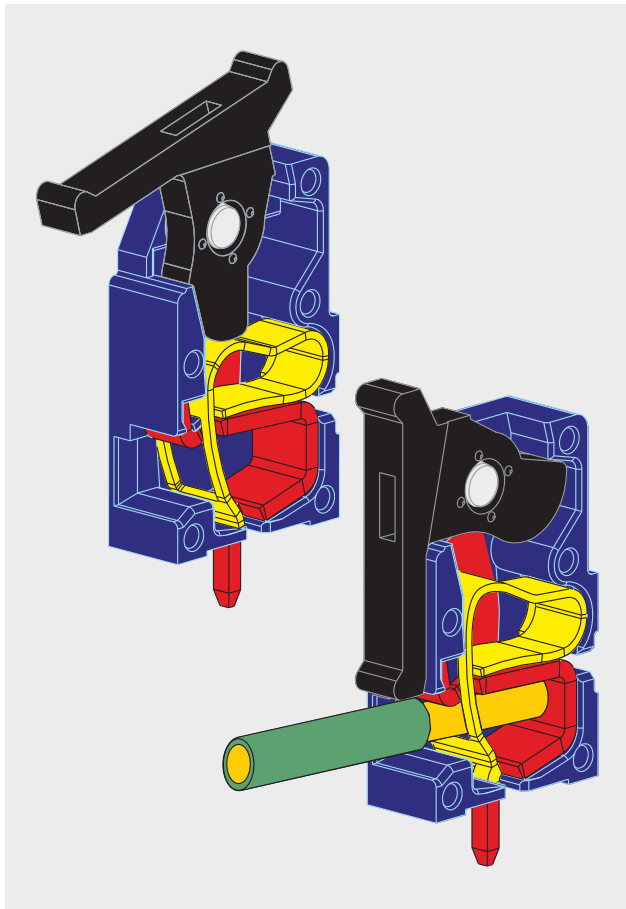


Tape & Reel possible

IMAGE	PART NUMBER	PROPERTIES	FEATURE	PAGE NUMBER MAIN CATALOG
	SP04AxxVBNC *(ASP04A)	10 A / 0.08–1.5 mm ²		61
	SC303xxHBNN			-
	SL303xxHBNN			-
	SC305xxHBNN			62
	SL305xxHBNN			62
	SM99S			63
	SR99S			63
	SM01W	13 A / 0.1–0.75 mm ²		64
	SM01Y	13 A / 0.75–1.5 mm ²		64
	SM02V	13 A / 0.75–1.5 mm ²		-

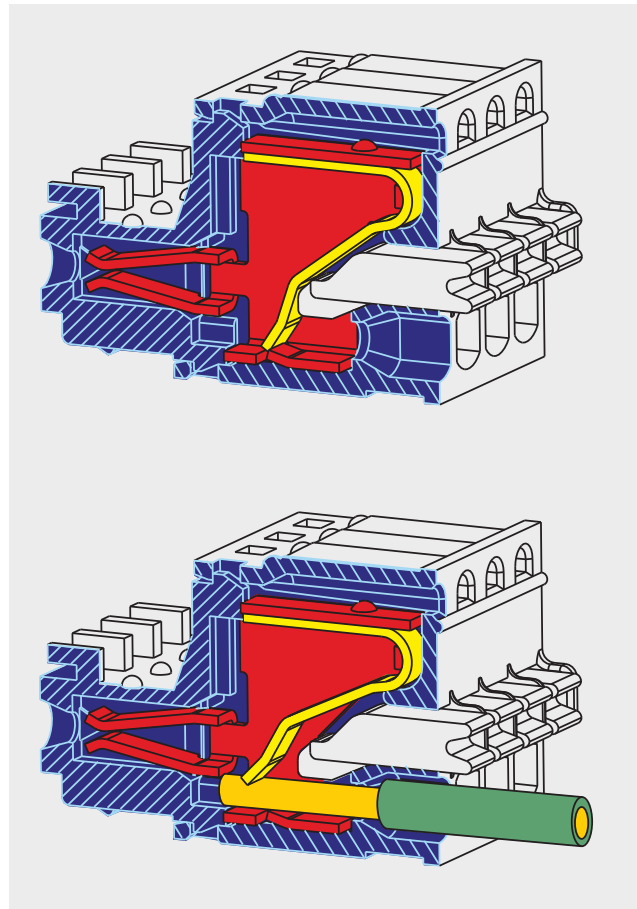
Spring Clamp Terminal Blocks

The product family consists of terminal blocks that are based on a spring clamp connection. By spring clamp connection, we mean an electrical connection that is created by clamping an individual conductor using a spring. It is suitable for solid and stranded wires from 28 to 12 AWG.



Spring clamp terminal block with cage clamp (with and without eccentric lever)

- > with eccentric lever open terminal is ready for wire sizes
- > with eccentric lever tool-less connection of the conductors
- > very short assembly times
- > the closed power system inside the terminal block prevents pressure from being applied onto the circuit board at the time of connection
- > gas-proof connection at the terminal point
- > different colors available
- > the spring adapts automatically to changes in conductor



Spring clamp terminal block with push-buttons

- > solid wires can be connected by simply inserting without actuation of the button (push-in technology)
- > stranded wires and thin solid wires are connected using a standard screwdriver
- > short assembly times
- > gas-proof connection at the terminal point
- > different colors available
- > the spring adapts automatically to changes in conductor sizes

Reflow-compatible components

METZ CONNECT offers a wide range of spring clamp terminal blocks in reflow-compatible designs. The demand for reflow-compatible components is constantly growing thanks to increasing degrees of automation in the production processes.



Printing Options

We offer individual printing options for your terminal blocks. Figures and/or symbols in different orientations depending on the technical feasibility. Inkjet Printing, Pad Printing, and Hot Stamp Printing are available. Design your individual terminal blocks with us.

Colour Options

You can order our terminal blocks in a variety of colours. In some cases we can offer colour coding for each individual pole. This is helpful for either as an additional coding option or to enhance the overall "look" of your device. We would be pleased to advise you on the possible combinations.

METZ CONNECT GmbH is member of the following organizations and associations.



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