

Product information

Spring clamp terminal blocks

with right-angled solder pins



Innovative connectivity

- > Toolless wiring with innovative quick connection system (push-in technology)
- > Ideal for solid core and stranded cables with ferrule
- > High contact force, vibration resistant
- > Push button to release the connected wire with a flat-bladed screwdriver
- > 5 mm pitch, solder pin length 3,6 mm
- > Direction of connection 90 degrees
- > THT solderable according to JEDEC JESD22-B102E 245 °C/5 s
- > Overvoltage category III/III/II
Pollution degree 3/2/2
Rated voltage 320 V/800 V/800 V
Rated test voltage 4.0 kV/4.0 kV/4.0 kV
- > UL approval V/A/AWG 300/12/24-12
- > Continuity test point
- > Option to bridge multiple contacts (see accessories)



The ST255 terminal block series has been designed for DIN rail mounted devices that feature vertically mounted pc boards.

This user friendly connector with its easy push in spring clamp connection technology also offers an in built continuity test point above the cable entry and the possibility to bridge connections below the cable entry.

These solderable terminal blocks are available in two versions, with the solder pins positioned the left or right side.

METZ CONNECT can offer individual pole printing options for this connector series for additional coding benefits.

Application example



Rail mounted devices for electric cabinets with 2-, 3- and 4-pole angled spring clamp terminal blocks

						
Designation	ST255xxHDNR	ST255xxHDNL	SR255xxHBNC	RT025xxHDLR	RT025xxHDLL	RT025xxHBLC
Part number	ST255xxHDNR	ST255xxHDNL	SR255xxHBNC	313861	313851	310711
Connection type	spring force (push-in)	spring force (push-in)	spring force (push-in)	screw connection	screw connection	screw connection
Centerline/Pitch	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Number of poles	2, 3 and 4	2, 3 and 4	2–12	2, 3 and 4	2, 3 and 4	2–12
Wire cross section (solid or stranded wire)	0.2–2.5 mm ² (AWG 24–112)	0.2–2.5 mm ² (AWG 24–112)	0.2–2.5 mm ² (AWG 24–112)	0.34–2.5 mm ² (AWG 20–112)	0.34–2.5 mm ² (AWG 20–112)	0.34–2.5 mm ² (AWG 20–112)
UL approval	✓	✓	✓	✓	✓	✓