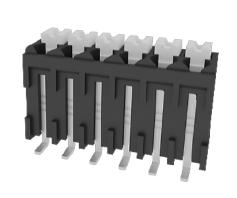


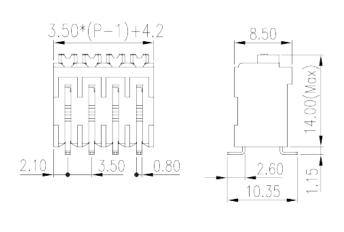
# 0138-50XXSMDW

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PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-12-04





The web catalog is for reference only. Dinkle remains the right of product modification and engineering change of the design.

The final product is made according to engineering drawing.

### **Product Description**

Pitch: 3.50mm, 300V, 12A

#### General information

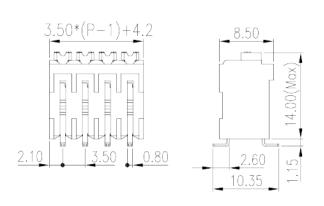
Short description	PCB Terminal Blocks, Push-in Design
Category	PCB Terminal Blocks
Pitch (mm)	3.50
Color	Black (default)
Connection method	Push in design
Type of locking	Without
Soldering method	Reflow Soldering
Length (mm)	3.50*(P-1)+4.2
Width (mm)	8.5
Height (mm)	14
Pin demensions (Thickness x Width)(mm)	0.35x0.8
PCB hole diameter (mm)	1.4x4
Number of positions	02P~06P
Level	Single level

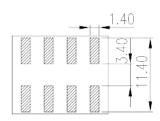


## Material information

nsulation material	HIGH-TEMPERATURE PLASTICS
nsulation material group	IIIa
Flame retardant rating , compliant with UL94	VO
nsulation resistance	$\Box$ 500Μ $\Omega$ at DC 500V
Conductor material	COPPER ALLOY
Plating of conductor surface	Tin PLATED
onnection data-IEC	
Rated voltage (V)	160
Rated current (A)	17.5
Rated voltage (II/2)(V)	250
Rated voltage (III/2) (V)	160
Rated voltage (III/3)(V)	160
Rated impulse voltage (II/2)(KV)	2.5
tated impulse voltage (III/2)(KV)	2.5
ated impulse voltage (III/3)(KV)	2.5
onductor cross section solid. min (mm²)	0.14
onductor cross section solid.max (mm²)	1.5
Conductor cross section stranded. min (mm²)	0.14
Conductor cross section stranded. max (mm²)	1.5
onductor cross section flexible, with min ferrule rithout plastic sleeve (mm²)	0.25
conductor cross section flexible, with max ferrule vithout plastic sleeve (mm²)	0.75
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	0.75
Philips screwdriver size	0.4x2.5
tripping Length (mm)	8~9
onnection data-UL	
Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	12
Rated voltage (UL/CUL Group D)(V)	300

Rated current (UL/CUL Group D)(A)	12
Min. solid wire connection (AWG) acc. to UL/CUL	28
Max. solid wire connection AWG acc. to UL/CUL	16
Min. stranded wire connection AWG acc. to UL/CUL	28
Max. stranded wire connection AWG acc. to UL/CUL	16
Environment & Safety	
Finger protection (YES or NO)	YES
Operating temperature. max (°C)	120
Operating temperature. min (°C)	-40
JL Recognized	
Wire Range (Group B)(AWG)	28~16
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	12
Wire Range (Group D)(AWG)	28~16
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	12
CUL Recognized	
Wire Range (Group B)(AWG)	28~16
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	12
Wire Panget (Croup D)(AWC)	28~16
Wire Ranget (Group D)(AWG)	300
Rated voltage (Group D)(V)	300





## **Approvals**





