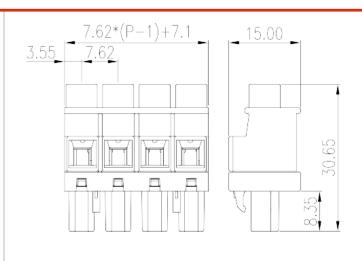


# **3ESNPH-XXP**

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-11-03





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: 7.62mm, M3, 600V, 18A

#### General information

Short description	PCB Connector-Plug, Screw Connection
Category	PCB Connector – Plug
Pitch (mm)	7.62
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	7.62*(P-1)+7.1
Width (mm)	15
Height (mm)	30.65
Number of positions	02P~12P
Level	Single level

#### Material information

Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0



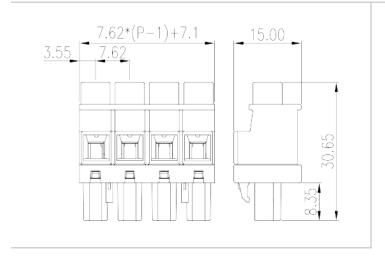
Insulation resistance	≥500MΩ at DC 500V
Conductor material	HIGH PERFORMANCE COPPER ALLOY
Plating of conductor surface	Tin PLATED
Connection data-IEC	
Rated voltage (V)	1000
Rated current (A)	24
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	1000
Rated voltage (III/3)(V)	1000
Rated impulse voltage (II/2)(KV)	8
Rated impulse voltage (III/2)(KV)	8
Rated impulse voltage (III/3)(KV)	8
Conductor cross section solid. min (mm²)	0.2
Conductor cross section solid.max (mm²)	4
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	4
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	4
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	4
2 conductors with same cross section, solid, min (mm²)	0.2
2 conductors with same cross section, solid, max (mm²)	1.5
2 conductors with same cross section, stranded, min (mm²)	0.2
2 conductors with same cross section, stranded, max (mm²)	1.5
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)	1.5
2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)	0.5
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)	1.5

Screw thread	M3
Slotted screwdriver size (Blade thickness x Width)(mm)	0.8X4
Recommend tightening torque. min (N.m)	0.5
Recommend tightening torque. max (N.m)	0.6
Stripping Length (mm)	7~8
Connection data-UL	
Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	18
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	18
Rated voltage (UL/CUL Group D)(V)	600
Rated current (UL/CUL Group D)(A)	18
Min. solid wire connection (AWG) acc. to UL/CUL	28
Max. solid wire connection AWG acc. to UL/CUL	10
Min. stranded wire connection AWG acc. to UL/CUL	28
Max. stranded wire connection AWG acc. to UL/CUL	10
Environment & Safety	
Finger protection (YES or NO)	YES
Operating temperature. max (°C)	
	120
Operating temperature. min (°C)	-40
JL Recognized	
	-40
JL Recognized Wire Range (Group B)(AWG)	-40 28~10
JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V)	-40 28~10 600
JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A)	-40 28~10 600 18
JL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)	-40 28~10 600 18 28~10
JL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Rated voltage (Group C)(V)  Rated current (Group C)(A)	-40  28~10  600  18  28~10  600
JL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Rated voltage (Group C)(V)	-40  28~10  600  18  28~10  600
JL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Rated voltage (Group C)(V)  Rated current (Group C)(A)  CUL Recognized	-40  28~10  600  18  28~10  600  18



Wire Range (Group C)(AWG)	28~10
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	18

## Drawings



## Approvals





