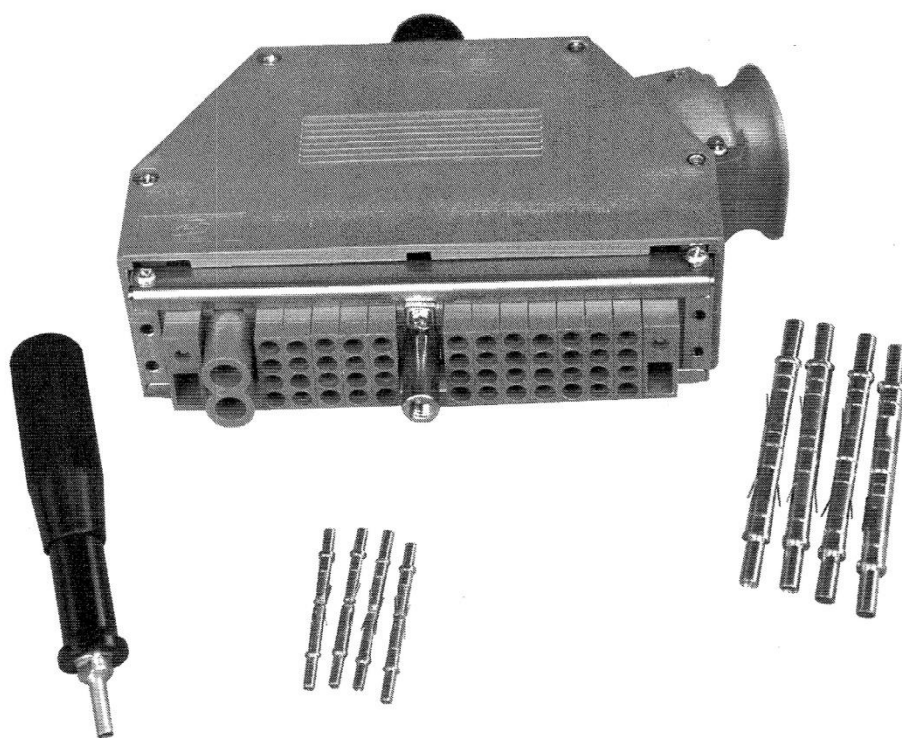


JB series rectangle locomotive connector



Part number

	JB	G	-D	P	20	1
Basic series						
Type						
C, E, F, G						
Type of shell						
Omit = Standard						
D, F, G						
Type of connector						
P = Plug						
R = Receptacle						
Contact number						
See below						
Number of cable clamp						
1 = 1 cable clamp A (Φ16mm ~ Φ50mm)						
2 = 1 cable clamp B (Φ20mm)						
3 = 2 cable clamps A (Φ16mm ~Φ50mm)						
4 = 2 cable clamps B (Φ20mm)						
6 = 1 cable clamp A (Φ16mm ~Φ50mm); 1 cable clamp B (Φ20mm)						
7 = Plug without dust cap, 1 cable clamp B (Φ20mm)						

Electrical performance

Rated operating current: Φ1.5 = 10A, Φ3.0 = 25A

Rated operating voltage: 500 V

Withstanding voltage: Φ1.5 = 3250V, Φ3.0 = 3900V

Insulation resistance: $\geq 5000 \text{ M}\Omega$

Contact resistance: $\Phi 1.5 \leq 2.5 \text{ m}\Omega$, $\Phi 3.0 \leq 1.1 \text{ m}\Omega$

Insertion and withdrawal force of contact: $\Phi 1.5 = 0.45 \text{ N}$, $\Phi 3.0 = 3.00 \text{ N}$

Mechanical performance

Endurance: 500 cycles

Cross section of conductor: $\Phi 1.5 = 0.75\text{mm}^2 \sim 1\text{mm}^2$, $\Phi 3.0 = 4\text{mm}^2$

Adjustable outlet of cable (only F & G): 16, 20, 22

Environmental performance

Operating temperature: $-40^\circ\text{C} \sim +100^\circ\text{C}$

Humidity: 95% (40°C)

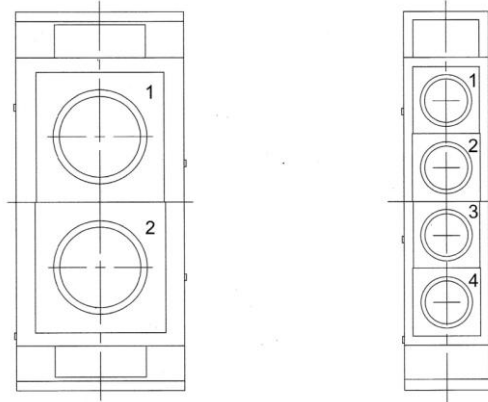
Material

Shell: thermo-plastic

Contact: copper-alloy

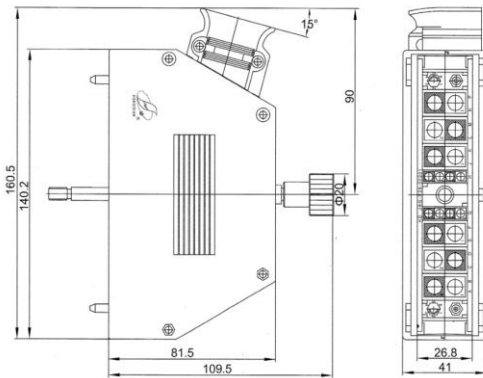
Finish: gold plating

Contact layout

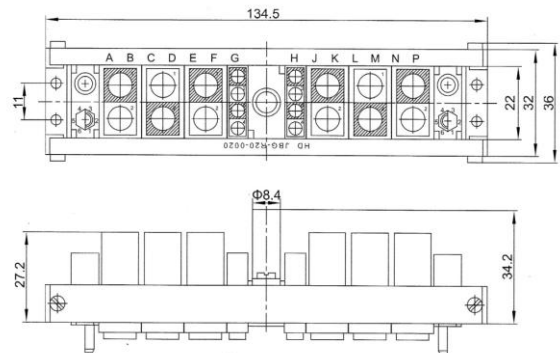


Size

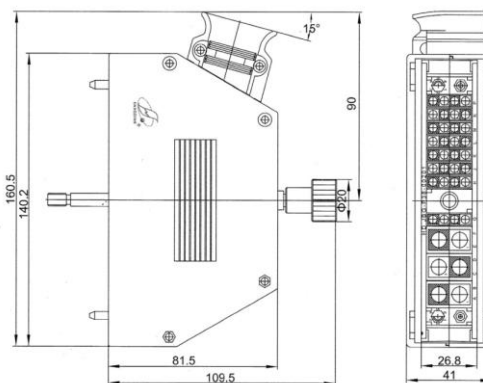
Plug (JBG-P20)



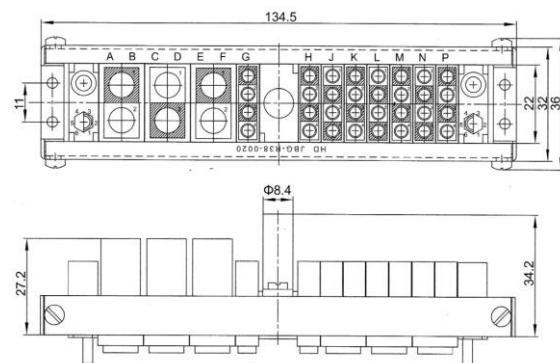
Receptacle (JBG-R20)



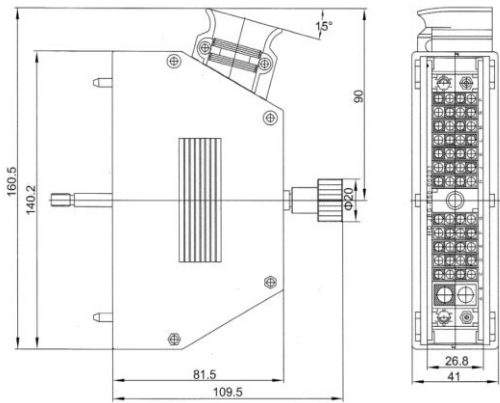
Plug (JBG-P38)



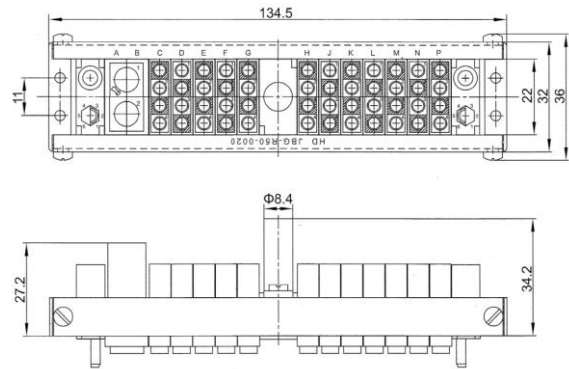
Receptacle (JBG-R38)



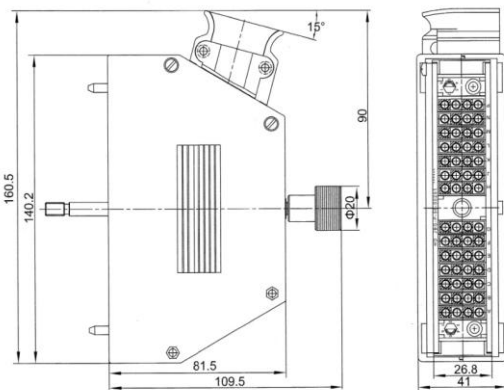
Plug (JBG-P50)



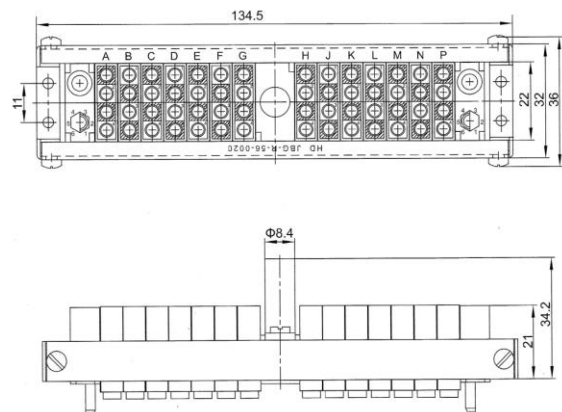
Receptacle (JBG-R50)



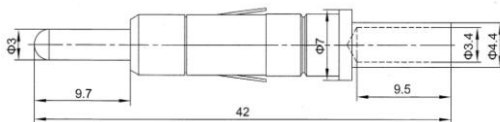
Plug (JBG-P56)



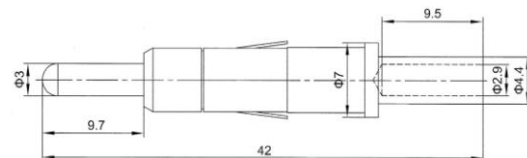
Receptacle (JBG-R56)



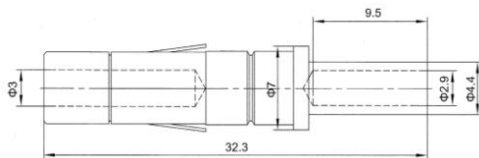
Pin: $\Phi 3$ (JBG-P-3A)



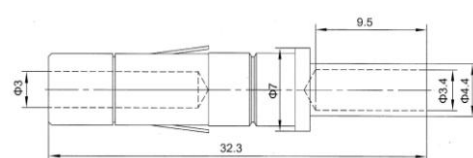
Pin: $\Phi 3$ (JBG-P-3B)



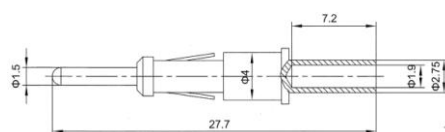
Socket: $\Phi 3$ (JBG-S-3B)



Socket: $\Phi 3$ (JBG-S-3A)



Pin: $\Phi 1.5$ (JBG-P-1.5A)



Socket: $\Phi 1.5$ (JBG-S-1.5A)

