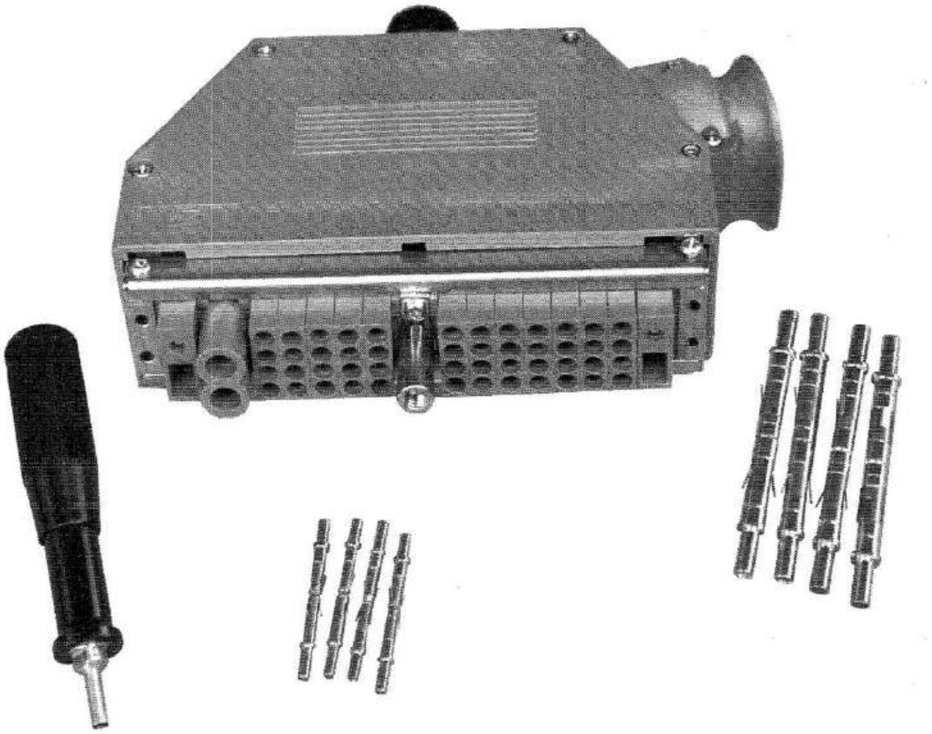
JB series rectangle locomotive connector



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: ≥ 5000 MΩ
Contact resistance: Φ1.5 ≤ 2.5 mΩ, Φ3.0 ≤ 1.1 mΩ
Insertion and withdrawal force of contact: Φ1.5 = 0.45 N, Φ3.0 = 3.00 N

Mechanical performance

Endurance: 500 cycles
Cross section of conductor: Φ1.5 = 0.75mm^2 ~ 1mm^2, Φ 3.0 = 4mm^2
Adjustable outlet of cable (only F & G): 16, 20, 22

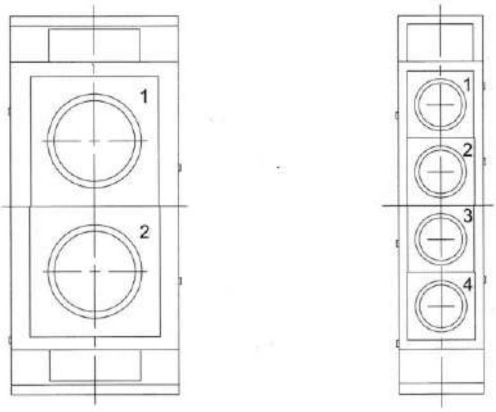
Environmental performance

Operating temperature: -40 ^{o}C ~ +100 ^{o}C
Humidity: 95% (40 ^{o}C)

Material

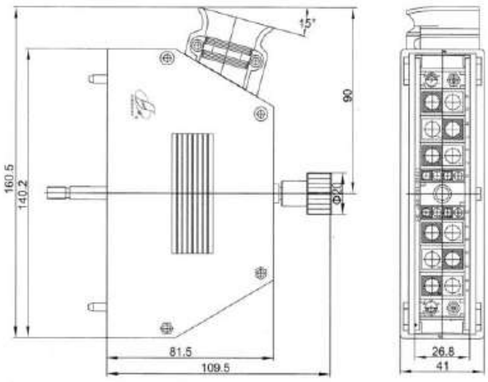
Shell: thermo-plastic
Contact: copper-alloy
Finish: gold plating

Contact layout

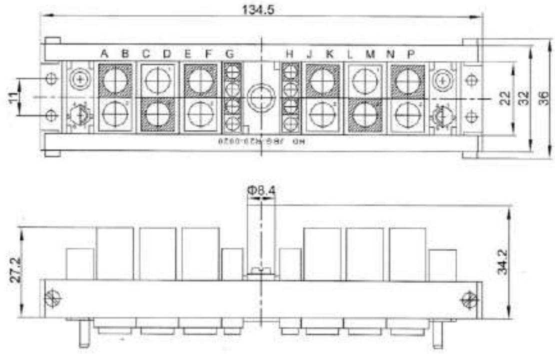


Size

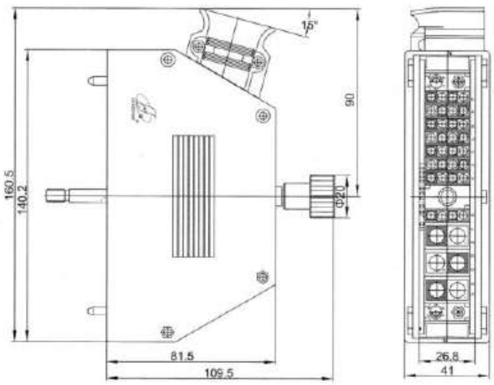
Plug (JBG-P20)



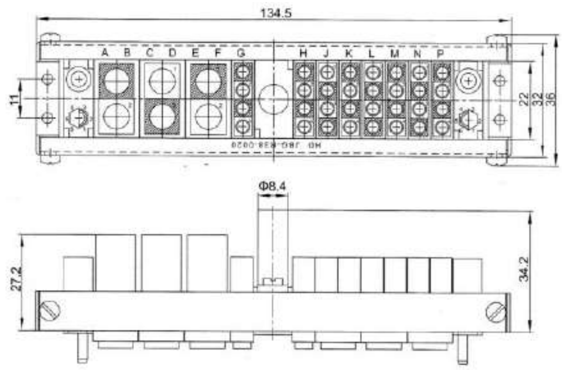
Receptacle (JBG-R20)



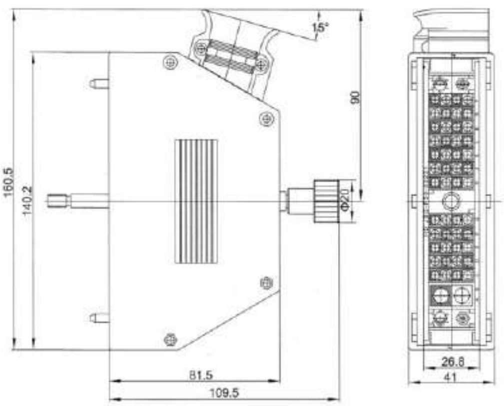
Plug (JBG-P38)



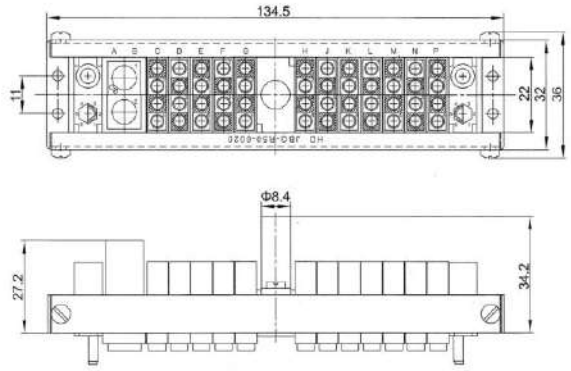
Receptacle (JBG-R38)



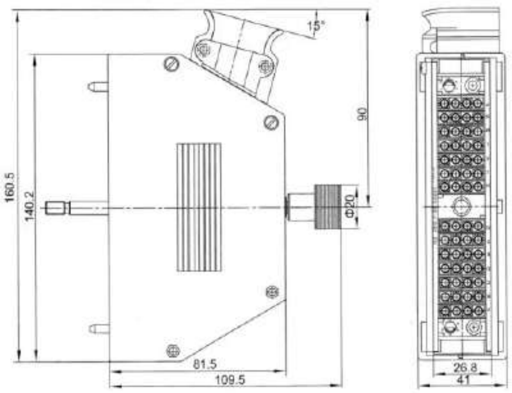
Plug (JBG-P50)



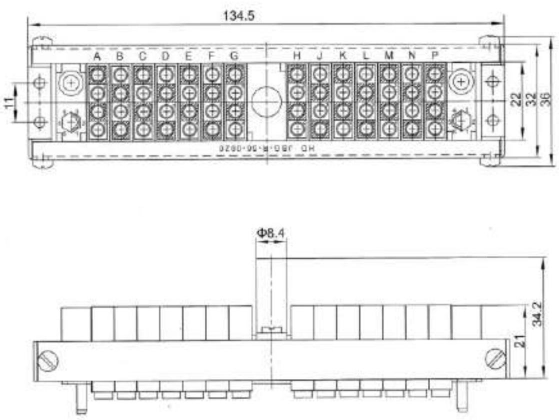
Receptacle (JBG-R50)



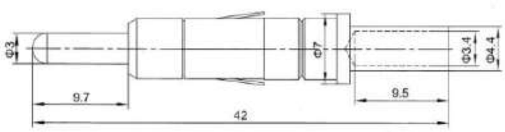
Plug (JBG-P56)



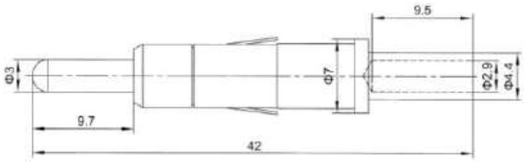
Receptacle (JBG-R56)



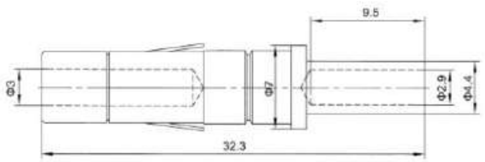
Pin: Φ3 (JBG-P-3A)



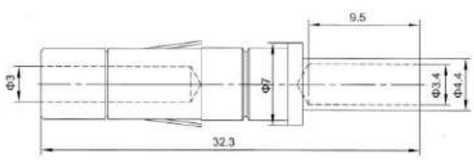
Pin: Φ3 (JBG-P-3B)



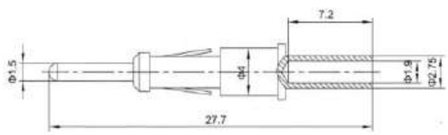
Socket: Φ3 (JBG-S-3B)



Socket: Φ3 (JBG-S-3A)



Pin: Φ1.5 (JBG-P-1.5A)



Socket: Φ1.5 (JBG-S-1.5A)