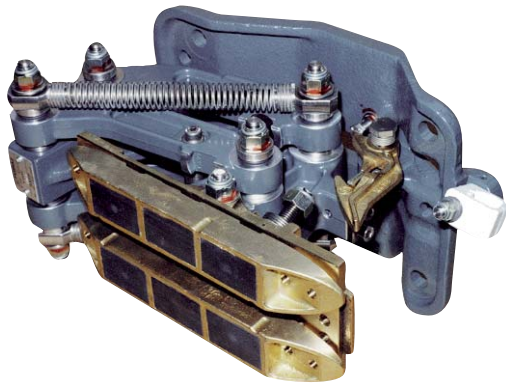


Current collector devices

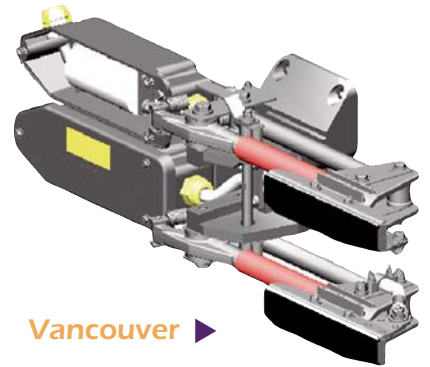
Lateral contact

Single or two-pole. The pressure system maintains contact horizontally in the rail's axis.



Paris MP89 ▲

VAL 208 ▶

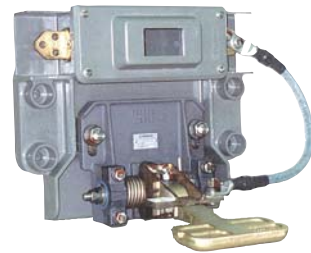


Vancouver ▶

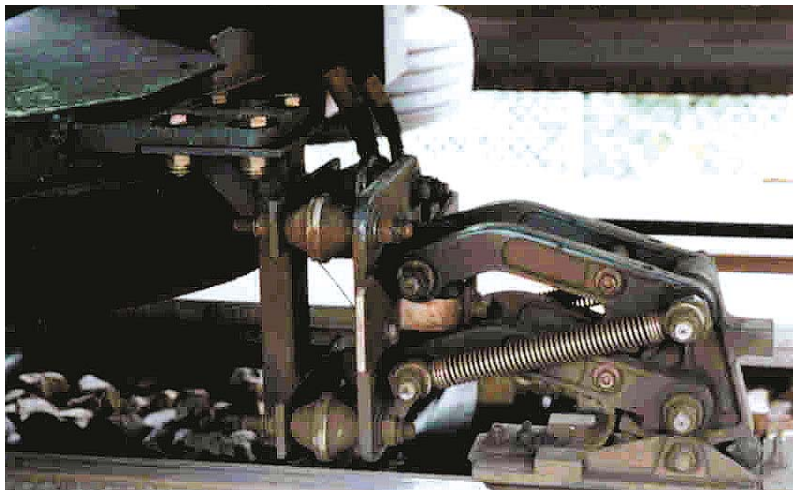


Top contact

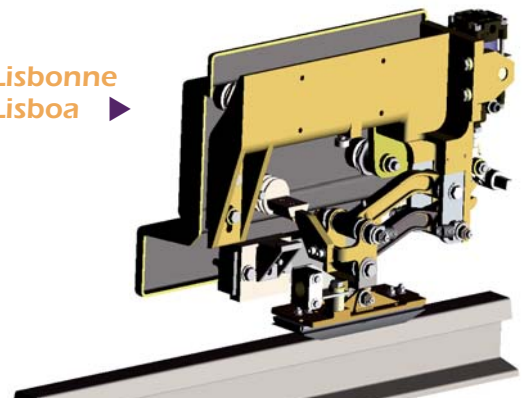
The collector is fastened on the vehicle off-center from the rail and a pressure system maintains contact vertically, from top to bottom. Manual or power retraction and locking.



Disneyland ▶



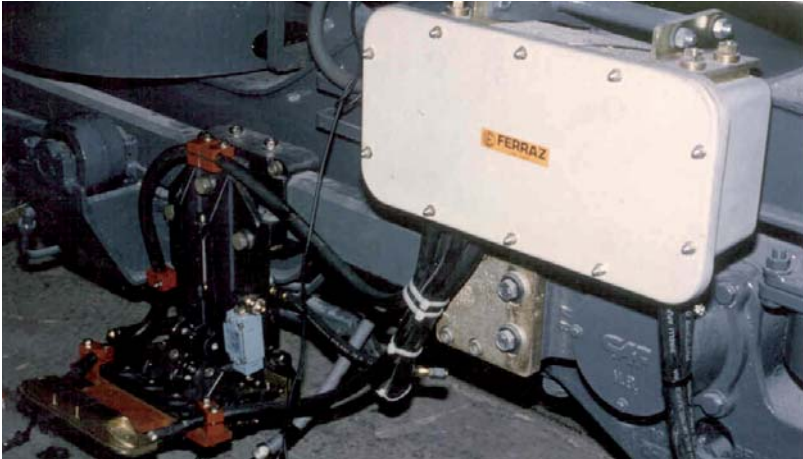
Lisbonne
 Lisboa ▶



Fuse-boxes

Bogie mounting

Insulating, self-extinguishing fuse-boxes withstanding shocks and vibrations in compliance with current standards. Approved by many manufacturers.

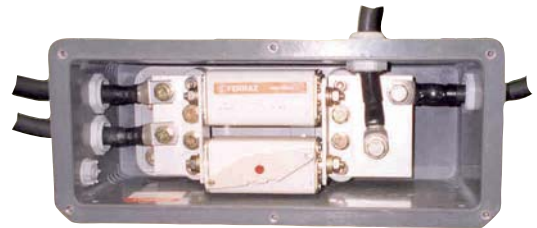


Paris - MP89 ▲

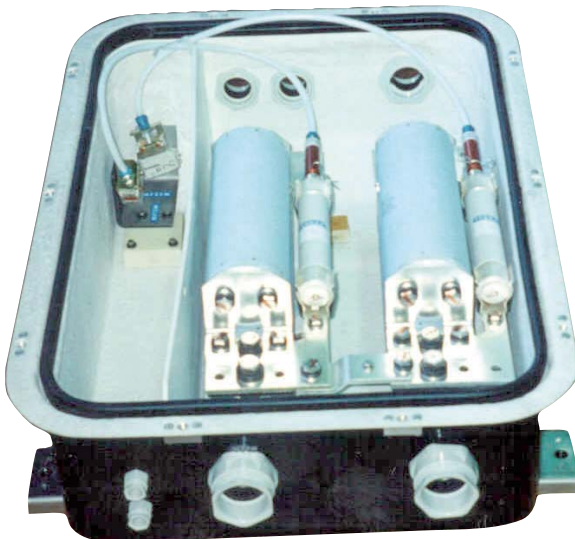
Singapore ▼



◀ Bruxelles



Top mounting



◀ Shanghai

Earth return current units

ERCUS, axial or radial, are installed on axles to provide an effective shunt around the bearings.

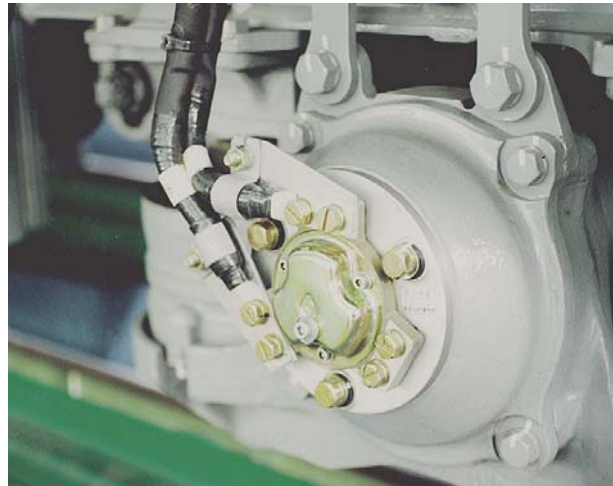
BR 185



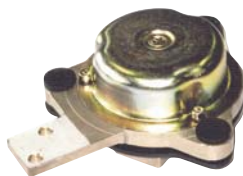
**Standard
3 Brushes
20x40**



Compact type



TGV



Juniper



**3 Brushes
20x40**



Toronto



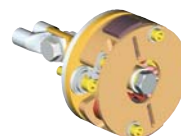
Citadis



Combino



Torino



On recent tramway rolling stock, the device is mounted insulated in the hub and returns the current to the rail via brushes in contact on a track. A watertight ball bearing is built into the unit to ensure rotation of the whole with the disc.