

**ECLA****EUROPEAN CLASSIFICATION****B60M**

**POWER SUPPLY LINES, AND DEVICES ALONG RAILS, FOR ELECTRICALLY- PROPELLED VEHICLES (control of points and safety arrangements along railway lines B61L; construction of rails and points in general E01B)**

**Notes**

This subclass deals with:

1. overhead, overground or underground power supply lines; their crossings and points, erection and supervision;
2. devices along rails and rail joints, for current conduction and for insulation;
3. safety devices along the route against earth currents and inductive interference with nearby communication lines

**B60M1/00**

**Power supply lines for contact with collector on vehicle** (collectors therefor [B60L5/00](#))

**B60M1/02**

. Details

**B60M1/04**

. . Mechanical protection of line; Protection against contact by living beings

**B60M1/06**

. . Arrangements along the power lines for reducing interference in near-by communication lines (in general [H04B15/02](#))

**B60M1/08**

. . Arrangements for energising and de-energising power line sections using mechanical actuation by the passing vehicle

**B60M1/10**

. . Arrangements for energising and de-energising power line sections using magnetic actuation by the passing vehicle

**B60M1/10B**

. . . [N: by vehicle-borne magnets]

**B60M1/10C**

. . . [N: by track-mounted magnets]

**B60M1/12**

. Trolley lines; Accessories therefor

**B60M1/13**

. . Trolley wires

**B60M1/13B**

. . . [N: composite]

**B60M1/14**

. . Crossings; Points

**B60M1/16**

. . Suspension insulators (in general [H01B](#))

**B60M1/18**

. . Section insulators; Section switches

**B60M1/20**

. . Arrangements for supporting or suspending trolley wires, e.g. from buildings

**B60M1/22**

. . . Separate lines from which power lines are suspended, e.g. catenary lines, supporting-lines under tension

**B60M1/225**

. . . Arrangements for fixing trolley wires to supporting-lines which are under tension

**B60M1/23**

. . . Arrangements for suspending trolley wires from catenary line

**B60M1/234**

. . . incorporating yielding means or damping means (supporting wires [B60M1/22](#))

**B60M1/24**

. . . Clamps; Splicers; Anchor tips

**B60M1/26**

. . Compensation means for variation in length

- B60M1/28
  - . . Manufacturing or repairing trolley lines (scaffold cars [B60P](#); [B61D15/00](#); platforms therefor [B66F11/04](#); manufacturing conductors in general [H01B13/00](#); overhead lines in general [H02G1/00](#))
- B60M1/30
  - . Power rails
- B60M1/30B
  - . . [\[N: composite\]](#)
- B60M1/30C
  - . . [\[N: Joints\]](#)
- B60M1/30D
  - . . [\[N: Supports\]](#)
- B60M1/32
  - . . Crossings; Points ([B60M1/34](#) takes precedence)
- B60M1/34
  - . . in slotted conduits
- B60M1/34B
  - . . . [\[N: Crossings; Points\]](#)
- B60M1/34C
  - . . . [\[N: Joints\]](#)
- B60M1/36
  - . Single contact pieces along the line for power supply
- B60M3/00**
**Feeding power to supply lines in contact with collector on vehicles; Arrangements for consuming regenerative power** (controlling rail vehicles by varying voltage of power fed to vehicle [B60L](#); power distribution in general [H02J](#))
- B60M3/02
  - . with means for maintaining voltage within a predetermined range (in general [G05F](#))
- B60M3/04
  - . Arrangements for cutting in and out of individual track sections (by passage of the vehicle [B60M1/10](#))
- B60M3/06
  - . Arrangements for consuming regenerative power
- B60M5/00**
**Arrangements along running rails or at joints thereof for current conduction or insulation, e.g. safety devices for reducing earth currents** (insulating rail joints [E01B11/54](#); conductive connections between rails in general [H01R3/00](#), [H01R4/00](#), [H01R4/70](#))
- B60M5/02
  - . Means for reducing potential difference between rail and adjacent ground
- B60M7/00**
**Power lines or rails specially adapted for electrically-propelled vehicles of special types, e.g. suspension tramway, ropeway, underground railway**
- B60M7/00B
  - . [\[N: for vehicles using stored power \(e.g. charging stations\)\]](#)
- B60M7/00C
  - . [\[N: for auto-scooters or the like, the power being supplied over a broad surface\]](#)