



Short circuiting and grounding	DC	Underground lines
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Code: **WIDMT/METRO-MM1**

**Short circuiting and grounding equipment for 2 plain line rails, third rail of alimentation and fourth rail negative**



In compliance with	RFI DMA IM TE SP IFS 083 A
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ICC	40.9 kA / 0.25 s
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**Equipment contents:**

- 3 Ground clamps type **MTR/RFI-SDCH22** clamping onto the rail by means of steel milling jaws. Dynamometric clamping device with torque limiter **14 Nm ± 20%**. Electrolytic copper contact to the rail 120x30x20 mm. Hexagonal tang CH22.
- 1 Press forged ground clamp type **PC22/CH22-SD** clamping onto the third rail. Dynamometric clamping device with torque limiter **14 Nm ± 20%**. Hexagonal tang CH22.
- 3 Extraflexible electrolytic copper cables covered by transparent rubber sheath, section **95 mm<sup>2</sup>**, lengths **1 m, 2 m and 2.5 m**.
- High insulating rod type **PVR2/200CH23** made of vinylester resin tube reinforced by fiberglass and filled by closed cells polyurethane foam, in conformity with IEC 60855-1. Length **2 m** with 6 reflectors.

Short circuiting and grounding	DC	Underground lines
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Code: **WIDMT/METRO-ATH**

**Short circuiting and grounding equipment for two underground rails, one fed and one negative**



In compliance with	RFI DMA IM TE SP IFS 083 A
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ICC	100 kA D.C. / 80 ms
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**Equipment contents:**

- Ground clamp type **MTR/RFI-SD-IR** clamping onto the fed rail by means of steel milling jaws. Dynamometric clamping device with torque limiter **14 Nm ± 20%** maneuvered by a rod, tube **PV** conform to the IEC 61235. Electrolytic copper contact to the rail 120x30x20 mm.
- Ground clamp type **MTR/RFI-SD** clamping onto the negative rail by means of steel milling jaws. Dynamometric clamping device with torque limiter **14 Nm ± 20%** maneuvered by a rod, tube **PV** conform to the IEC 61235. Electrolytic copper contact to the rail 120x30x20 mm.
- Extraflexible electrolytic copper cable covered by transparent rubber sheath, section **120 mm<sup>2</sup>**, lengths **1 m**.