

RAIL WEB PERMANENT ELECTRICAL CONTACT AR67

for hole diameter 8 - 8,5 mm

Rail web cable connection applications:

- >Traction return bonding
- >Continuity bonding
- >Signal track circuit connection
- >Ground bonding



This unique system was designed and developed by Cembre in 1988 following a review of existing electrical connection systems. The aim of the Cembre system is to provide a low resistance interface between the rail web and the terminal lug.

Following in-depth testing in the laboratory and extensive field trials, the system has been recognised and approved for total reliability.

- >low electrical resistance (microhm)
- >simple to install, not dependent on operator skill level
- >quick and easy to install (less than one minute)
- >easy to connect/disconnect cables, for fault finding

AR 67 System components:

- >Copper bush type AR 67-1 protected on surface by suitable metal plating (Cu-OF, copper CW008A according to UNI EN 13600:2003)
- >Steel M6 screw with hollow hex head (AR 67-3X Stainless steel A4-80, zinc. plated thickness 7-12 µm; Cup flange Stainless steel X2CrNi19-11 / AISI 304L)
- >Flat Steel washer (M6 washer Ø 13x24 Stainless steel A2)
- >M6 self-lock nut Stainless steel A3P (Ebs 20.20.26)

Typical application:

<p><i>Various connections involved in the train location system</i></p>	





AR67 rail web connection, rail side

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Technical characteristics

PROPERTIES

Ø Stud mm	8 mm
Minimum thickness of the rail	14 mm
Maximum thickness of the rail	16.5 mm
Rail type	49E1 (S49)
Rail type	54E3 (S54)
Rail type	60E1 (UIC60)
Patented	yes



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Alternative names for this product

DB SAP - DB SAP 713946

FS

FS CAT. 846/959

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