Application
Hot Metal Overhead Crane

Country
Sweden

Project installation date
2017

Representative office
Conductix-Wampfler AB [SE]

Customer
BANG Kransysteme | Germany

Operator
Höganäs Sweden AB | Halmstadt | Sweden

Technical requirement[s]
Energy supply and data transmission to one overhead crane with Conductor Rails and ProfiDAT® [ProfiNet data transmission / Real-time data transmission to the crane PLC]

Travel length [Crane bridge]
95 m

Travel speed [Crane bridge]
60 m/min

Crane loading capacity
75 t / 25 t / 6.3 t

Product[s]
• ProfiDAT®, Program 0514
• Aluminum Conductor Rail, Program 0813 SingleFlex Line with standard PVC insulation up to +55 °C
• Aluminum Conductor Rail, Program 0813 SingleFlex Line with PPE insulation for ambient temperatures up to +85 °C

Current Collector
• ProfiDAT® current collector with protective earth carbon brush and data transmission antenna

Additional product information
• ProfiDAT® for grounding and data transmission
• PPE insulated conductor rail segments are installed in the areas with the highest ambient temperature. Additional steel plates shield the conductor rails and ProfiDAT® profile from the radiation heat