

SUCCESS CASE 21.2025

Compact Connection Module



INTRODUCTION

All grid operators in the Netherlands started using the same connection modules for unmanned objects such as charging stations, advertising columns, and street lighting. Enexis, Stedin, and Liander have developed the compact connection module (CAM) together with the supplier Connectens.

Grid operators face the significant challenge of expanding the electricity grids in the Netherlands to meet this demand. Additionally, there is a significant shortage of technicians. Therefore, the grid operators are jointly seeking innovative solutions to work better, smarter, faster, and safer. The development of the CAM is a good example of this and results in significant time savings.

The new connection modules are more compact and ensure that objects can be connected more safely and quickly. With the CAM, grid operators can connect an unmanned object in public spaces three times faster. This saves a lot of time for a technician, allowing more time to realize the ambitions of the energy transition.

THE SOLUTION

The new compact connection module works faster due to a new connection technique. Many technical components are pre-assembled in the factory, so this no longer needs to be done in the field. Additionally, the final assembly is simple thanks to a convenient connection plug.

The plug is also pre-installed, allowing the object to be quickly connected to the power grid. Choosing the compact connection module as a national standard is a big step towards uniformity, providing clarity for manufacturers and making the connection of objects like charging stations easier and safer.

In [this video](#) you can see the difference between the regular connection method and the new connection method.



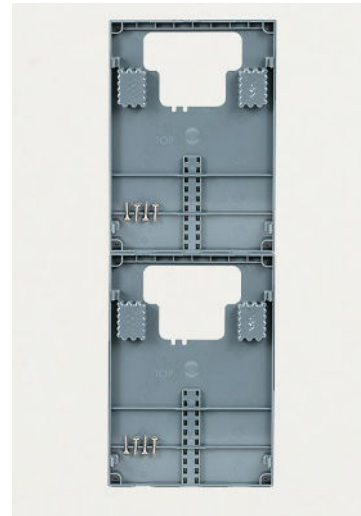
Compact Connection Module for Public Lighting



Compact Connection Module for Unmanned Objects



Compact Connection Module for Charging Objects



Mounting Plate or C-Profile for Installing the Compact Connection Module

WAY FORWARD

Since the beginning of 2023, all grid operators in the Netherlands have been using the same compact connection modules for connections of unmanned objects in public spaces. The regular connection method is no longer used.