

## CA-Connector Plugs in the Greenhouse.

### Project

The new ELGO-Lights for the lighting of plants in greenhouses.

The lighting equipment plant "ELGO" from Gostynin is one of the largest Polish manufacturers of road, park, interior and industrial lighting. The company has been active in the lighting industry since its foundation in 1958. The high quality of the products is underlined by the certificate BS EN ISO 9001:2000. The first step in the project consisted of 1,000 specialist lights for the lighting of plants in greenhouses with 4000 CA-connector plugs from Hirschmann. The plugs support the high security class IP67.



*Flower plantation in the greenhouse with specialist lights*

**JBC-electronic**   
AUTOMATYKA - ELEKTRONIKA - POMIARY

### Application



### Key-Products



CA 3 LD



CA 3 LS



CA 3 GD



CA 3 GS

# Project details:

The ELGO specialist lights for the lighting of plants in greenhouses are produced from the best material. Only durable components from well-known, globally active manufacturers are used for the lighting equipment. This guarantees reliable operation of the lights with a low level of energy consumption.



Lights for the lighting of plants fitted with CA-connector plugs

## Project parameters

- 1,000 specialist lights for the lighting of plants in greenhouses.
- Latest offer from ELGO: the lighting equipment ELGO-FLORA from the types ORSa, ORSc (one part) and ORSb, ORSd (two parts), stand out for their extremely good lighting efficiency and high protection class IP 65/21. In the two-part lighting models, the lamp housings are installed separately.
- The modern construction of the ELGO-FLORA lights enable the use of high pressure sodium lamps with the internal reflectors.

There are also light models, which work with conventional high pressure sodium lamps. In these lights a small reflector is installed which is covered in metal and guarantees a suitable flow of light.

## Requirements

- Modern and aesthetic design
- Effective configurations of light beams on the plants
- Even lighting level
- Small format, ensuring that only small shade patches are thrown onto the crop.
- "Breathing" filters in the lights enable the air pressure within the lights to be adapted to the environment.

## Solution

- 4,000 CA-connector plugs from Hirschmann
- The new specialist lights were equipped with the industrial connector plugs of the CA range from Hirschmann, which reach a protection class of IP67: cable and insert connectors and sockets, as well as a protective cap (protection against dust and mildew after the disconnecting the connection).
- Aluminum parts and other durable materials guarantee good cooling, protect the light source and the electrical accessories from damage and other external influences within the greenhouse.

## Why Hirschmann?

- Simplicity and safety of use
- Removable plate with electrical accessories, simple to replace.
- Easy disconnection from power supply.
- Automatic disconnection from power supply, if the end caps are pulled out.

## Germany

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