METHOD FOR THE AUTOMATIC IDENTIFICATION OF COMPONENTS INSTALLED IN AN ELECTRICAL PANEL

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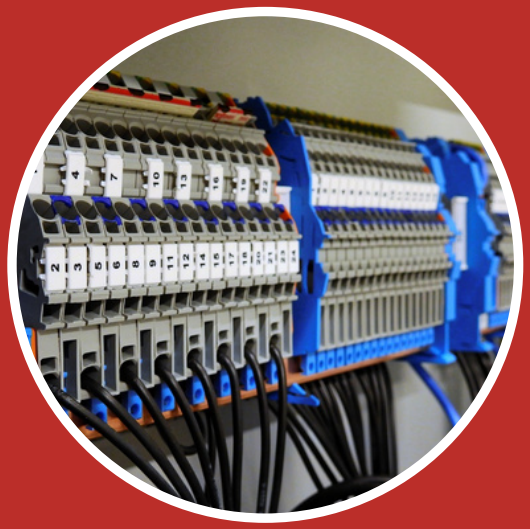

The invention allows the precise localization of electromechanical components positioned along a DIN rail or in an electrical panel.

Protection: Italy, with the possibility of international extension

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INVENTION

The invention allows the precise localization of electromechanical components positioned along a DIN rail or in an electrical panel.
Localization occurs by querying a database of the panel itself containing all the presumed positions of the components.
A 2D camera mounted on the end-effector of a manipulator then acquires an image of the scene and identifies the holes of all the components present.

ADVANTAGES

- Identification of the electrical component
- identification of the position of the component to allow any correction
- Robustness: the system is able to operate in variable conditions with the same precision, for example different lighting conditions.

APPLICATIONS

- Quality control or wiring of components
- Applicable in different industrial scenarios

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