

Claims

Claim 1

An electrical contactor comprising:

a pedestal portion having, at a lower end thereof, a contact portion that comes into contact with a first contact target of an object to be inspected;

a base end portion extending continuously toward an installing portion that comes into contact with a second contact target of a substrate electrically connected to an inspection device side; and

an arm portion having at least three or more arm members provided between the base end portion and the pedestal portion, each of the at least three or more arm members having one end supported by the base end portion and another end coupled to the pedestal portion to elastically support the contact portion, wherein the at least three or more arm members adjust the resistance of the entire arm members during conduction by adjusting the individual cross-sectional area of each arm member to be smaller and the total cross-sectional area of all the arm members to be larger,

wherein the pedestal portion has a positioning portion provided between the contact portion that comes into contact with the first contact target of the object to be inspected and the arm portion closest to the contact portion among the at least three or more arm members, which determines the position of the contact portion in contact with the object to be inspected, and

wherein the positioning portion is provided in a straight line along the longitudinal direction of the electrical

contactor, and has a plane parallel to the plane of a straight part of the arm member closest to the contact portion among the at least three or more arm members.

Claim 2

The electrical contactor according to claim 1, wherein part or all of the at least three or more arm members each have a curved portion for decreasing an amount of movement of the contact portion with respect to the first contact target.

Claim 3

An electrical connecting apparatus comprising a plurality of electrical contactors that come into electrical contact with a first contact target and a second contact target, the electrical connecting apparatus electrically connecting the first contact target and the second contact target via each of the electrical contactors,

wherein each of the plurality of electrical contactors is the electrical contactor according to claim 1.