

Mechanism for opening cover of explosion-proof electrical equipment housing, comprising cover equipped with at least two retainers, cover locking mechanism connected to housing, and displacement mechanism that interacts with cover retainers and is pivotally mounted on housing via lugs. To enable one-handed opening/closing of cover without the use of additional special tools, as well as to facilitate the operation and maintenance of explosion-proof electrical equipment, opening is made in each retainer along the longitudinal axle with the possibility of movable connection of retainer to guide part provided on each lug. And along the transverse axle, openings are made in which axle with rotation element is hinged and inserted into displacement mechanism, wherein eccentric is provided at each end of axle, which interacts with side surfaces of corresponding groove formed in each guide portion of lugs, perpendicular to cover plane.