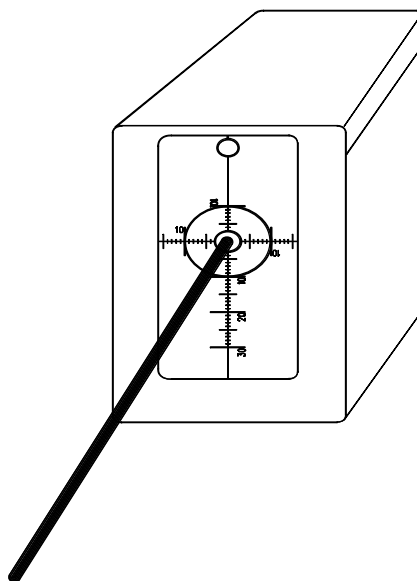


# SAFETY DEVICE TYPE 4 WITH VISIBLE LASER EMISSION DFS LASER



The safety photoelectric device DFS LASER is a mono-ray barrier with visible laser emission that, integrated in a more general check system, contributes to the operator's protection when using machines having movable dangerous parts, controlled by electrical or electromechanical devices.

Main task of the "DFS LASER" is to survey, within the limits of the survey capacity of the instrument, the intrusion of any opaque physical element in a area defined as "survey zone", which is delimited by the point of emission of the laser beam generated by the transmitter to the point of reception of the receiver of the device.

The instrument has been thus projected to disconnect, in danger conditions, the feeding of the controls devices of the machine and /or to activate stop functions of the movement of the dangerous parts.

The device DFS LASER has been projected following the indications given by the rules IEC 1496 1 and IEC 1496-2 ex prEN 50100-1 and ex prEN 50100-2. It is classifiable as ESPE type 4;

- The laser contained in the DFS LASER is classified as of 2° CLASS according to the rule EN 60825, since the transmitter generates the emission of a visible modulated laser light, whose intensity is not higher than 1 mW;
- The device DFS LASER is conform with the rule "EMC" or the rule "electro-magnetic compatibility" (Dir.89/336/CEE, modified by the rule 92/31/CEE, by the Dir. 93/68/CEE, and involved by the L.D. n°476 dated 4-12-1992 and by the L.D. n°615 dated 12-11-1996) and meets all the requirements indicated in the rules EN 50081-1 and EN 50082-2
- The device DFS LASER is in conformity also with the dispositions of the " Machine Rules" Dr.89/392/CEE, modified by the Dir.91/368/CEE, by the Dir.93/44/CEE, by the Dir.93/68/ CEE, and then involved by the Legislative Decree n°459 dated 24-7-1996);

SELLER

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