

EPIC® Pin & Sleeve Connectors

Technical Data: Switched Outlet Reference Data

Reference Standards:

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|--------------------------|------------------|-------------|---------------|------------------|-------------|---------------|
| - Socket-Outlets: | • CEI EN 60309-1 | • IEC 309-1 | • CEI 23-12/1 | • CEI EN 60309-2 | • IEC 309-2 | • CEI 23-12/2 |
| - Enclosures: | • CEI EN 60529 | • IEC 529 | • CEI 70-1 | | | |
| - Safety Transformer: | • CEI EN 60742 | • IEC 742 | • CEI 96-2 | | | |
| - Switches: | • CEI EN 60947-3 | • IEC 947-3 | • CEI 17-11 | | | |

Constructional Characteristics of Socket-Outlets with Mechanical Interlock:

- Socket Outlets which are interlocked, both mechanically and electrically, make it possible to create electricity distribution systems in maximum safety, as well as meeting specific requirements of systems regulations for special system configurations, as described in the following:
 - According to CEI 64-8/7, sect 752.55.1- in electrical systems for public entertainment places "socket outlets with a power load over 16A must be the interlocking type."
 - According to CEI 64-2, chap. XII, sect. 3, para. 12.3.03- "socket-outlet": in making an operating safety system (AD-FT), "in C2 sites the socket outlets must be of the interlocking type."
- The interlock device prevents the switch from being closed if the plug has not been inserted in the socket-outlets and there after, stops it from being taken out if the switch is in the "closed" position. In addition, to this safety feature, the switch knob is connected to a "door lock" which only allows the enclosure to be opened for maintenance purposes if the switch is in the "open" position
- The complete functional unit is assembled onto the light alloy frame which is, in turn, coupled to the thermoset plastic enclosure: the entire functional structure thus makes up a "rigid" sub-assembly which is mechanically "defined", guaranteeing that the regulations and original functions are maintained in the long term;
- The parts making up the mechanical interlocking device are made in tropicalized steel plate, which guarantees the necessary rigidity and strength even if "forced through wrong use"
- The fuse-holder bases, where included, are in thermoset plastic (ULYSSE) or (ALUPRES) ceramic mounted and wired in the switched outlet. Unless specifically requested, the fuses are not normally included with the equipment;
- The interlocked socket outlets are available in the following forms:
 - with rotary control switch and fuse-holder base;
 - with rotary control switch, without fuse-holder base;

Constructional Characteristics of Enclosures and Housings of ULYSSE Interlocked Socket-Outlets in Thermoset Plastic:

- Bottom boxes and covers are made of very thick reinforced thermoset plastic (SMC or CMC or BMC, according to use), with excellent dimensional stability, non-deformability and resistance to extremes of heat and to fire, to the action of chemical and atmospheric agents and to mechanical stress even at very low temperatures. All these characteristics in the material used for the enclosures ensures maximum performance in any environment, even when chemically aggressive, and represents perfection in terms of insulating material.
- The transparent covers are made of thick polycarbonate with a long- chain molecular structure; they are self-extinguishing and U.V. Stabilized for maximum resistance to atmospheric and chemical agents.
- Captive screws for closing the covers are made of stainless steel, with gaskets in non-aging elastomer;
- All the enclosures in this series are suitable for creating systems in compliance with standards CEI 64-8, and particularly for installation in places at "greater risk in case of fire" (64-8/7 sect 751); they also permit the fitting out of distribution boards with protection through complete insulation (standard CEI EN 60439-1) and meet the requirements of the IEC 670 publication.
- The entire series is completely modular and ideal for making even complex distribution boards using predefined configurations and standard accessories.

Constructional Characteristics of Enclosures and Housings of ALUPRES Interlocked Socket-Outlets in Light Alloy:

- Bottom boxes and covers are made of UNI-5076 light alloy with a high aluminum content, oven painted internally and externally over a pretreatment of chromate galvanizing for a maximum resistance to corrosion. The heavy thickness of the material used for making these enclosures assures maximum results in any environment, even when chemically aggressive, and represents perfection in terms of metal structures thanks to the very high impact resistance;
- Captive screws for closing the covers are made of stainless or tropicalized steel, with gaskets in non-aging elastomer;
- Internal and external earth connection screws;
- All the enclosures in this series are suitable for creating systems in compliance with standards CEI 64/8, and particularly for installation in places with "greater risk in case of fire" (64-8/7 sect. 751);
- The entire series is completely modular and ideal for making even complex distribution boards using predefined configurations and standard accessories.