

Mains Transfer Switch

Load transfer switch for lamps with ballast



Function Electronic ballasts for neon lamps can be operated with alternating as well as with direct current due their technical design. This advantage can now also be used for the emergency lighting.

By means of the mains transfer system (NUS), lamps equipped with ballast can be used as lamps for general lighting and, in the event of power failure, can also be used as emergency lights for the illumination of escape routes.

For this purpose, where there is a supply voltage from the emergency lighting unit, the load transfer system disconnects the lamp from the mains and connects this with a time delay to the emergency supply network. By means of the time delay changeover, possible spark gaps in the relay used are negated. A safe separation between the general and the emergency supply network is ensured.

Installation The mains transfer system is suitable without restriction for use in systems according to DIN EN 50172 (VDE 0108-100). Depending on the requirement, the switch can be installed in the lamp in a sub-distribution board or in the emergency lighting unit.

Technical data

Input 1 mains:	230 V, 50 Hz
Input 2 emergency supply:	180-270 VAC/DC
Switching time:	about 100 msec
Switching capacity:	max. 250 VA
Connection terminals:	up to 1.5 mm ² (optional: 3-pin-feed-through terminal 2.5 mm ²)
Dimensions (LxWxH in mm):	78x30x20
Temperature (t _a):	- 10 °C to + 60 °C