



Phase monitoring in security- and emergency lighting systems



Application:



Building
Technology



Security- and
Emergency Lighting

Product group: Measuring and monitoring relays
Product: DUW-C12
PN: 110271
Measuring Ranges: Undervoltage monitoring and phase failure

Task

Security and emergency lighting systems are a mandatory requirement for all public and commercial buildings today. In the event of a drop in voltage supply (undervoltage), a power failure, or in the worst case a fire, the emergency lighting system must turn on automatically and thus enable the inhabitants to locate their nearest exit and leave the building quickly and safely as well as acting as a guide for the emergency services.

Solution

- > the **DUW-C12** phase monitoring relay monitors the general power supply for undervoltage.
- > should one of the three phases drop below the fixed threshold of 85 % of the rated voltage, a relay contact switches on the security- and emergency lighting system automatically.

Customer benefits

- ✔ operates according to DIN VDE 0108-100 for use in security and emergency lighting and central battery systems
- ✔ integrated test button
- ✔ LED- status display in the event of a failure
- ✔ 2 change over contacts
- ✔ use in 3- or 1-phase network



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