

Application note

Evacuation Mode for Lift Systems



Application:



Building
Technology



Lift Systems

Product group: Measuring and monitoring relays

Product: PFD3-E12
PN: 110292032230

Measuring Ranges: Three phase monitoring and phase failure

Task

In case of a power failure the lift system automatically switches over to an emergency power, supply such as emergency generators or a USP. This ensures an automatic evacuation drive to at least the next stop and opening of the lift door. In case of a power failure the lift system automatically switches over to the USP.

Solution

- ▶ the three phase monitoring relay PFD3-E12 monitors the phase voltage as well as the zero conductor for complete failure
- ▶ in case of total failure of a phase or the zero conductor the output relay switches to the USP
- ▶ with the emergency power supply it is possible to move the lift at an evacuation speed

Customer benefits

- ✔ space-saving and compact design in a 22.5 mm slim industrial housing
- ✔ two relay contacts for error display and the USP switch over
- ✔ power supply directly from the measuring circuit



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METZ CONNECT GmbH

Im Tal 2
78176 Blumberg
Germany

Phone +49 77 02 533-0
Fax +49 77 02 533-189
www.metz-connect.com

