

INTERNATIONAL



UNION OF RAILWAYS

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Leaflet to be classified in volume :

V - TRANSPORT STOCK

555-1
OR

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TRANSISTORISED INVERTERS
FOR SUPPLYING FLUORESCENT LAMPS (1)

(1) Compulsory provisions are preceded by an asterisk (*)

UPDATING

Leaflet No. 555-1, 1st edition of 1.1.1984			
Amendment		Amendment	
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N O T E

This leaflet forms part of a set which also includes :

Leaflet 555 : Electric lighting of passenger stock.

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inverters, version A

Dimensions and connections of 40 W or 2 x 20 W
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inverters
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0 - GENERAL

0.1 - This leaflet contains guidelines concerning the design, manufacture and testing of transistorised inverters for supplying fluorescent lamps conforming to IEC (1) 81. They should be adhered to by all railways in order to ensure economic supply conditions.

0.2 - All the rules specified in leaflet 550-1 "Electronic equipment for coaches and wagons" (to be published) are applicable.

1 - MECHANICAL CHARACTERISTICS

1.1 - The inverters shall not exceed the dimensions indicated in the drawings Appendices 1 and 2. The dimensions relating to the mounting system shall be respected.

1.2 - The electrical connections and, where applicable, the identification characteristics shall be designed in accordance with Appendices 1 or 2 and shall conform to one of the following versions :

- flat plugs and identification characteristics :
 - 6.35 mm for 40 W inverters
 - 5.00 mm for 13 W inverters;
- screw terminals;
- plug terminals.

(1) IEC = International Electrotechnical Committee