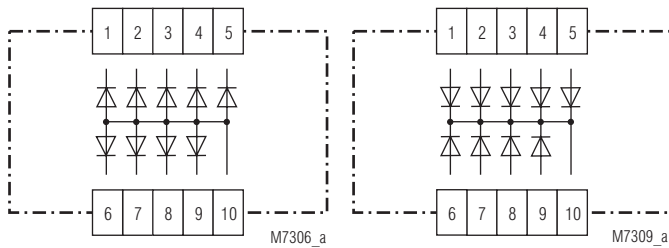


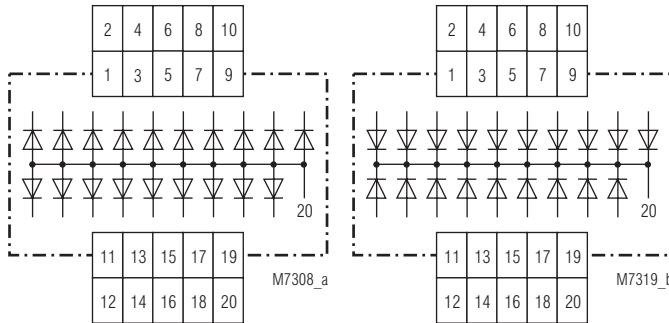
- For max. 19 signal lamps
- Width: 45 mm

Circuit Diagrams



AI 990

AI 990.04



AI 990.10

AI 990.12

Approvals and Markings



Application

The lamp test device AI 990 includes a group of diodes with common anode. The diodes make sure that the different lamps do not influence each other. Because of this diode circuit the lamp only show half intensity when operated with AC voltage.

Terminal connection

Terminal designation	Signal description
1 up to max. 20	Diodes connections

Technical Data

Nominal voltage: AC 250 V

Data of diods

Load per
Signal lamp: 1 A
Periodic peak reverse voltage: 1 000 V
Peak impulse voltage: 1 200 V
Pulse voltage load
dissipation: 1.6 kW at 10µs
Impulse current limit value: 50 A at 10 ms
Periodic peak voltage: 1 100 V
Fuse at the
common connection: 1 A

General Data

Nominal operating mode: Continuous operation
Temperature range
Operation: - 20 ... + 60 °C
Storage: - 20 ... + 80 °C
Altitude: < 2000 m
Clearance and creepage distances
Rated impuls voltage /
pollution degree: 4 kV / 2
Degree of protection:
Housing: IP 40 IEC/EN 60529
Terminals: IP 20 IEC/EN 60529
Enclosure: Thermoplastic with VO behaviour
according to UL Subjekt 94
Vibration resistance: Constant amplitude 0,075 mm
Frequency range 10 ... 57 Hz
Constant acceleration 1g
Frequency range 57 ... 150 Hz
Constant acceleration 5g von 61,6 Hz
IEC/EN 60068-2-6
Climate resistance: 20 / 060 / 04 IEC/EN 60068-1
Terminal designation: EN 50005
Wire connection: 2 x 2.5 mm² solid or
2 x 1.5 mm² stranded wire with sleeve
DIN 46228/-1/-2/-3/-4
Insulation of wires or
sleeve length: 10 mm
Wire fixing: Flat terminals with self-lifting clamping
piece IEC/EN 60999-1
Fixing torque: Max. 0.8 Nm
Mounting: DIN-rail IEC/EN 60715
Weight: 150 g

Dimensions

Width x height x depth: 45 x 77 x 127 mm

Standard Type

AI 990.10
Article number: 0002065
• For max. 19 signal lamps
• Width: 45 mm

Varianten

AI 990: Max. 9 signal lamps with common anode
AI 990.04: Max. 9 signal lamps with common cathode
AI 990.12: Max. 19 Signal lamps with common cathode

Ordering example for variants

AI 990. _ _ _
└── Variant, if required
└── Type