

Modular transformers

Modular TMD transformers for discontinuous service.

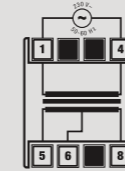


TMD

- 1 Insulation transformers where the primary and secondary coils are electrically separated by a double insulation that minimises any damage, in the powered circuit, caused from accidental contact with the electrically active parts or earth that may become powered in case of failure of the insulation "Fault-proof" insulation transformers
- 2 The condition of overload or of short circuit may damage the device but does not create a condition of hazard for the users or the nearby parts

DIMENSIONS (mm)

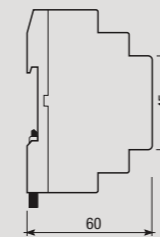
TMD 10/12
TMD 10/24
TMD 15/12
TMD 15/24



Front view

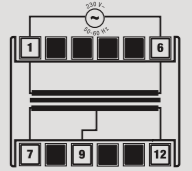


Side view

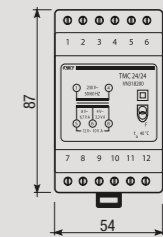


CONNECTION DIAGRAMS

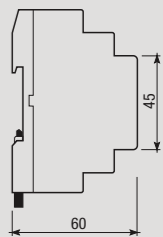
TMD 30/24



Front view



Side view



TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

| | | |
|-----------------------------|-----------------|--|
| Primary voltage | V AC | 230 (-10 ÷ +10%) |
| Frequency | Hz | 50 / 60 |
| Device class | | II |
| Container | | Self-extinguishing thermoplastic material (class VO), RAL-7035 |
| Maximum ambient temperature | °C | 40 |
| Cables max section | mm ² | 4 |

Note: The secondary voltage, without load and in case of loads with high impedance, is higher than the nominal value (max 32 V)

- Connection diagram reported on the product
- Testing and dielectric rigidity trials (3.75 kV) on each apparatus

REFERENCE STANDARDS

Compliance with 94/9/EC Directive

GAS AND SAFETY

DISCONTINUOUS SERVICE (FOR BELLS)

- Double insulation
- For insulation power supply at safety extra low voltage (SELV)
- Voltage to primary 230 V
- Secondary voltage available values: 4-8-12-24 V
- Power available values: 10-15-24-30 VA
- Dimensions: 2 or 3 DIN modules depending on the power

| Code | Model | Description | Power | Prim. voltage | Sec. voltage | Dimensions |
|----------|-----------|-----------------|-------|---------------|--------------|---------------|
| VN310900 | TMD 10/12 | Modular transf. | 10 VA | 230 V AC | 4-8-12 V AC | 2 DIN modules |
| VN311700 | TMD 10/24 | Modular transf. | 10 VA | 230 V AC | 12-24 V AC | 2 DIN modules |
| VN312500 | TMD 15/12 | Modular transf. | 15 VA | 230 V AC | 4-8-12 V AC | 2 DIN modules |
| VN313300 | TMD 15/24 | Modular transf. | 15 VA | 230 V AC | 12-24 V AC | 2 DIN modules |
| VN321600 | TMD 30/24 | Modular transf. | 30 VA | 230 V AC | 12-24 V AC | 3 DIN modules |

| Discontinuous service transformers | | | |
|------------------------------------|--------------|-----------|---------------|
| TMD 10/12 | | TMD 15/12 | |
| Terminal | Voltage | Terminal | Voltage |
| 5-6 | 8 V ~ 6,7 VA | 5-6 | 8 V ~ 10 VA |
| 6-8 | 4 V ~ 3,3 VA | 6-8 | 4 V ~ 5 VA |
| 5-8 | 12 V ~ 10 VA | 5-8 | 12 V ~ 15 VA |
| TMD 10/24 | | TMD 15/24 | |
| Terminal | Voltage | Terminal | Voltage |
| 5-6 | 12 V ~ 5 VA | 5-6 | 12 V ~ 7,5 VA |
| 6-8 | 12 V ~ 5 VA | 6-8 | 12 V ~ 7,5 VA |
| 5-8 | 24 V ~ 10 VA | 5-8 | 24 V ~ 15 VA |

| Discontinuous service transformers | |
|------------------------------------|--------------|
| TMD 30/24 | |
| Terminal | Voltage |
| 7-9 | 12 V ~ 15 VA |
| 9-12 | 12 V ~ 15 VA |
| 7-12 | 24 V ~ 30 VA |