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# SINGLE PHASE TRANSFORMERS - 2 PRI, 1 SEC

TR 28 2.1

680320039
Transformer, 2 x Primary 230/400, Secondary 230VAC, 320 VA



- 2 Primary and 1 Secondary Voltages
- IP20 Touch-Safe
- 25 VA to 1000 VA
- Welded magnetic core

### PRODUCT DESCRIPTION

DF Electric TR28 transformers offer numerous benefits for machine builders and panel builders, making them an excellent choice for their projects. These transformers are specifically designed to provide reliable power conversion and distribution, offering the following advantages:
DF Electric offer closed transformers which come with many benefits including enhanced safety, better protection against industrial environments, improved noise reduction, better efficiency and ensure a much sleeker appearance.
Efficient Power Conversion: DF Electric TR28 transformers ensure efficient power conversion from one voltage level to another. They effectively step up or step down voltage, allowing machine builders and panel builders to match the electrical requirements of their equipment or systems. This efficient power conversion helps optimize performance, minimize energy wastage, and ensure proper functioning of electrical components.

Compact and Space-Saving Design: The TR28 transformers are designed with a compact footprint, making them suitable for applications where space is a constraint. Machine builders and panel builders can integrate these transformers into tight spaces without compromising on performance. The compact design of TR28 transformers also simplifies installation and enables efficient use of panel space.

Enhanced Safety Features: DF Electric TR28 transformers prioritize safety in machine and panel applications. They are equipped with features such as thermal protection, overcurrent protection, and short-circuit protection, safeguarding both the equipment and the operators. These safety features mitigate the risk of electrical hazards and protect against potential damage caused by abnormal operating conditions.
Versatility and Compatibility: TR28 transformers offer versatility and compatibility with a wide range of equipment and systems. They can be utilized in various industries and applications, including industrial automation, manufacturing, HVAC systems, control panels, and more. Their ability to accommodate different voltage levels and power requirements makes them a flexible choice for machine builders and panel builders.

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Phase** | Single |
| **Type** | Control, safety & isolating |
| **Primary voltage** | 230/400 V |
| **Secondary voltage** | 230 V |
| **Power** | 320VA |
| **Instant power** | 800VA |
| **Frequency** | 50/60 Hz |
| **Dielectric strength pri-sec** | 4.5 kV |
| **Dielectric strength windings** | 2.5 kV |

## RATED OPERATING CONDITIONS

| | |
|---|---|
| **Rated ambient temperature** | 40 °C |
| **Operational temperature** | -20°C ... +70°C |
| **Storage temperature** | -40°C ... +85°C |

## DIMENSIONS

| | |
|---|---|
| **Length** | 120 mm |
| **Width** | 108 mm |
| **Height** | 148 mm |
| **Mounting** | TS 35, Direct mount |

## SAFETY & APPROVALS

| | |
|---|---|
| **Protection class** | 1 |
| **IP class** | IP20 |
| **Approvals** | CE, RoHS, IEC/EN 61558-1, IEC/EN 61558-2-6, IEC/EN 61558-2-2 |

## ADDITIONAL DATA

| | |
|---|---|
| **Tariff code** | 85043180 |
| **Country of origin** | ES |

| | |
|---|---|
| **Weight** | 4.95 kg |

