

## SC - SINGLE-PHASE ISOLATING AND SAFETY ISOLATING TRANSFORMERS



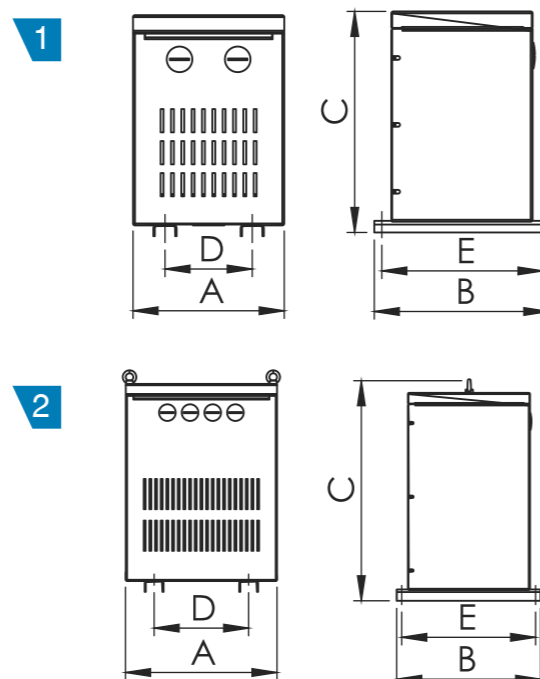
### General characteristics

Isolating transformer rated power 2000 VA – 50000 VA
Safety isolating transformer rated power 2000 VA – 8000 VA
Input voltage < 1000 VAC
Isolating transformer output voltage 51 V – 1000 VAC
Safety isolating transformer output voltage < 50 VAC
Operation continuous
Frequency 50-60 Hz
Protection class I
Insulation class B 130 °C
Degree of protection IP 20
Cooling method natural air circulation
Maximum ambient temperature 40 °C
Type dry

### Advantages

Ergonomic and safe operation due to the design of the metal enclosure
Safe and simple cable connection achieved through the use of special terminals and cross-connection fittings
Protection against contact with conductive parts
High performance due to the heat dissipation achieved through special air vents
Reliability achieved through high standards of quality control carried out by state-of-the-art, calibrated instruments at all stages of production, from receipt of raw materials to inspection of final products, one by one

### DIMENSION DIAGRAMS



### STANDARDS:

EN 61558-2-4 / IEC 61558-2-4  
EN 61558-2-6 / IEC 61558-2-6  
EN 60076-1 / IEC 60076-1

### ISOLATING TRANSFORMERS CAN BE USED:

- Where galvanic isolation of the load and the user from the power source (e.g. power grid) is required for protective purposes. The supply voltage can be transformed to a different value at the same time.
- Where there is a need to supply large loads, such as in industry or shipping.
- In cases where the nature of the installation site requires protection against human contact and/or insertion of foreign objects.

### SAFETY ISOLATING TRANSFORMERS CAN BE USED:

- When safe extra low voltage (SELV) is required, in addition to isolation.
- In auxiliary automation circuit power supply, when a high level of safety is required in handling.
- In cases where the nature of the installation site requires protection against human contact and/or insertion of foreign objects.

### MECHANICAL SPECIFICATIONS

POWER (VA)	TERMINALS	MOUNT TYPE	MOUNTING SCREWS	WEIGHT (kg)	DIMENSION DIAGRAM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
2000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M10	23,7	1	250	210	360	130	195
2500	RAIL CLAMP	U-SHAPED FOOT MOUNT	M10	26,2	1	250	210	360	130	195
3000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M10	34,3	1	300	300	480	200	273
4000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	39,4	2	300	300	480	200	273
5000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	43,6	2	350	340	525	216	309
6300	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	59,4	2	350	340	525	216	309
8000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	62,6	2	400	380	554	250	350
10000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	70,2	2	400	380	554	250	350
12000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	88,8	2	400	380	554	250	350
15000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	102	2	400	380	554	250	350
20000	RAIL CLAMP -M10 SCREW	U-SHAPED FOOT MOUNT	M12	123	2	400	380	554	250	350
25000	RAIL CLAMP -M10 SCREW	U-SHAPED FOOT MOUNT	M12	163	2	500	457	768	310	427
30000	RAIL CLAMP -M10 SCREW	U-SHAPED FOOT MOUNT	M12	188	2	500	457	768	310	427
35000	RAIL CLAMP -M10 SCREW	U-SHAPED FOOT MOUNT	M12	201	2	500	457	768	310	427
40000	RAIL CLAMP-M12 SCREW	U-SHAPED FOOT MOUNT	M12	227	2	500	457	768	310	427
50000	RAIL CLAMP-M12 SCREW	U-SHAPED FOOT MOUNT	M12	268	2	500	457	768	310	427

\* Dimensions may vary for safety isolating transformers, depending on power rating and output voltage.