

SSO - SINGLE-PHASE ISOLATING AND SAFETY ISOLATING TRANSFORMERS



General specifications

Isolating transformer rated power 30VA - 50.000VA
Safety isolating transformer rated power 30VA - 8000VA
Input voltage < 1000V AC
Isolating transformer output voltage 51V - 1000V AC
Safety isolating transformer output voltage < 50V AC
Operation Continuous
Frequency 50-60Hz
Protection class I
Insulation class B 130 °C
Degree of protection IP 00
Cooling method natural air circulation
Maximum ambient temperature 40°C
Type dry

Advantages

Small size in relation to power due to the high quality of materials
High performance due to the heat dissipation achieved through special air vents
Safe and simple cable connection achieved through the use of special terminals
Easy installation using special mounting supports that permit the comfortable use of tools
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

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:

- When 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.
- When there is a need to supply large loads, such as in industry or shipping.
- When the transformer is incorporated as a component of a circuit/configuration (e.g. electrical control panel).

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.
- When the transformer is incorporated as a component of a circuit/configuration (e.g. electrical control panel).

MECHANICAL SPECIFICATIONS

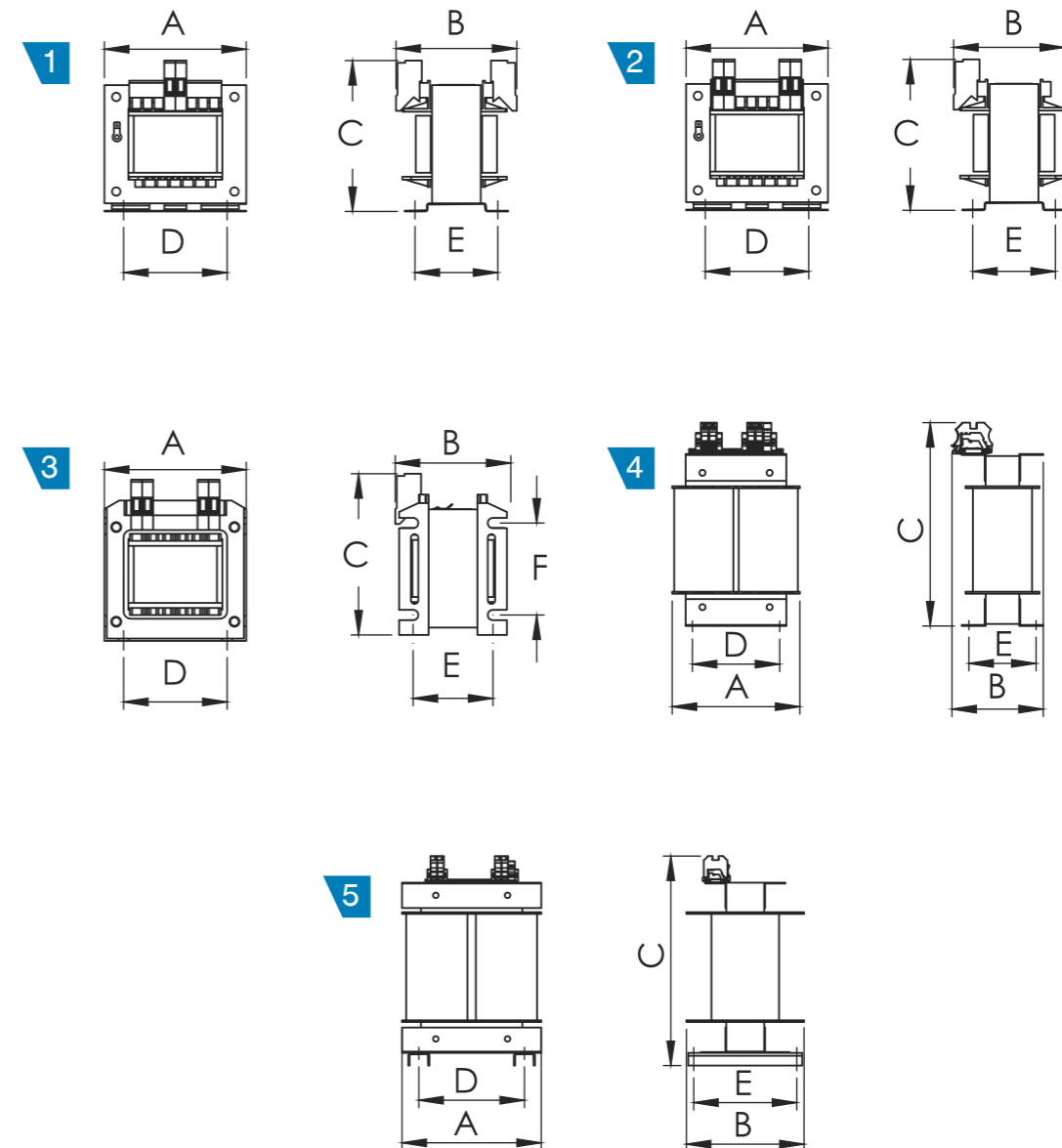
POWER (VA)	TERMINALS	MOUNT TYPE	MOUNTING SCREWS	WEIGHT (kg)	DIMENSION DIAGRAM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
30	SCREW TYPE	BASE PLATE	M4	0,96	1	75	73,2	87	56,5	46	-
45	SCREW TYPE	BASE PLATE	M4	1,18	1	75	79,4	87	56,5	52,2	-
63	SCREW TYPE	BASE PLATE	M4	1,38	2	84	69,5	93,4	64,5	47	-
80	SCREW TYPE	BASE PLATE	M4	1,69	2	84	77,7	93,4	64,5	55,5	-
120	SCREW TYPE	BASE PLATE	M5	2,18	2	96	82,4	104	84,5	65,3	-
160	SCREW TYPE	BASE PLATE	M5	2,65	2	96	92,4	104	84,5	75,3	-
200	SCREW TYPE	BASE PLATE	M5	3,00	2	96	97,4	104	84,5	80,3	-
250	SCREW TYPE	BASE PLATE	M5	3,52	2	96	108	104	84,5	90,3	-
300	SCREW TYPE	BASE PLATE	M5	4,10	2	120	89,3	121,6	90,5	72,8	-
400	SCREW TYPE	BASE PLATE	M5	5,02	2	120	101,8 116,8	121,6 126	90,5	85,3	-
500	SCREW TYPE	BASE PLATE	M5	5,84	2	120	110 125	121,6 126	90,5	93,5	-
630	SCREW TYPE	BASE PLATE	M6	7,91	2	150	107,4 124,4	145 150,5	122,5	83	-
800	SCREW TYPE	BASE PLATE	M6	9,56	2	150	125 142	145 150,5	122,5	100,6	-
1000	SCREW TYPE	BASE PLATE	M6	9,97	3	185	137	175 179	115,6	100	115,6
1250	SCREW TYPE	HORIZ.-VERT. BASE PLATE	M6	15,3	3	185	147	175 179	115,6	110	115,6
1500	SCREW TYPE	HORIZ.-VERT. BASE PLATE	M6	15,3	3	185	157	175 179	115,6	120	115,6
2000	RAIL CLAMP	BASE ANGLES	M10	19,3	4	200	143	302 306	130	96	-
2500	RAIL CLAMP	BASE ANGLES	M10	21,9	4	200	153	302 306	130	106	-
3000	RAIL CLAMP	BASE ANGLES	M10	27,1	4	240	174	346 366	200	135	-
4000	RAIL CLAMP	BASE ANGLES	M10	32,2	4	240	184	346 366	200	145	-
5000	RAIL CLAMP	BASE ANGLES	M10	36,4	4	280	280	435 455	216	250	-

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POWER (VA)	TERMINALS	MOUNT TYPE	MOUNTING SCREWS	WEIGHT (kg)	DIMENSION DIAGRAM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
6300	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	48,1	5	280	280	435 455	216	250	-
8000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	51,2	5	320	300	486 506	250	270	-
10000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	58,8	5	320	300	486 506	250	270	-
12000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	74,3	5	320	300	486 506	250	270	-
15000	RAIL CLAMP	U-SHAPED FOOT MOUNT	M12	87,2	5	320	300	486 506	250	270	-
20000	RAIL CLAMP-M10 SCREW	U-SHAPED FOOT MOUNT	M12	108	5	320	300	486 506	310	270	-
25000	RAIL CLAMP-M10 SCREW	U-SHAPED FOOT MOUNT	M12	138	5	400	350	615	310	320	-
30000	RAIL CLAMP-M10 SCREW	U-SHAPED FOOT MOUNT	M12	163	5	400	350	615	310	320	-
35000	RAIL CLAMP-M10 SCREW	U-SHAPED FOOT MOUNT	M12	176	5	400	350	615	310	320	-
40000	RAIL CLAMP-M12 SCREW	U-SHAPED FOOT MOUNT	M12	202	5	400	350	615	310	320	-
50000	RAIL CLAMP-M12 SCREW	U-SHAPED FOOT MOUNT	M12	244	5	400	350	615	310	320	-

DIMENSION DIAGRAMS



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

** Dimension given in green refers to isolating transformers and blue refers to safety isolating.