AC Transformers

General Information

Products type: AC transformers are used to provide an extra low voltage power source to system elements that humans are in regular contact with, or are mounted on exposed metal surfaces, such as pushbuttons and pilot lights.

Suitable For: With a wide range of output power these transformers are suitable for most control panels, from small automation panels to large motor control boards. They meet the technical requirements to be considered both a Control Transformer and Safety Isolating Transformer defined by the standards.

Specifications

Technical Characteristic	Value
Supply Voltage	230VAC ± 5% 50/60Hz
Output Voltage	24VAC
Supply Frequency	50/60Hz
Power Factor	Unity
Protection Class	Class I
Ingress Protection	IP2X
Maximum Ambient Temperature	55°C, Derate 0.4% for every °C above 40°C
Minimum Ambient Temperature	-5°C
Duty Cycle	Continuous
Overvoltage Category	OVC II

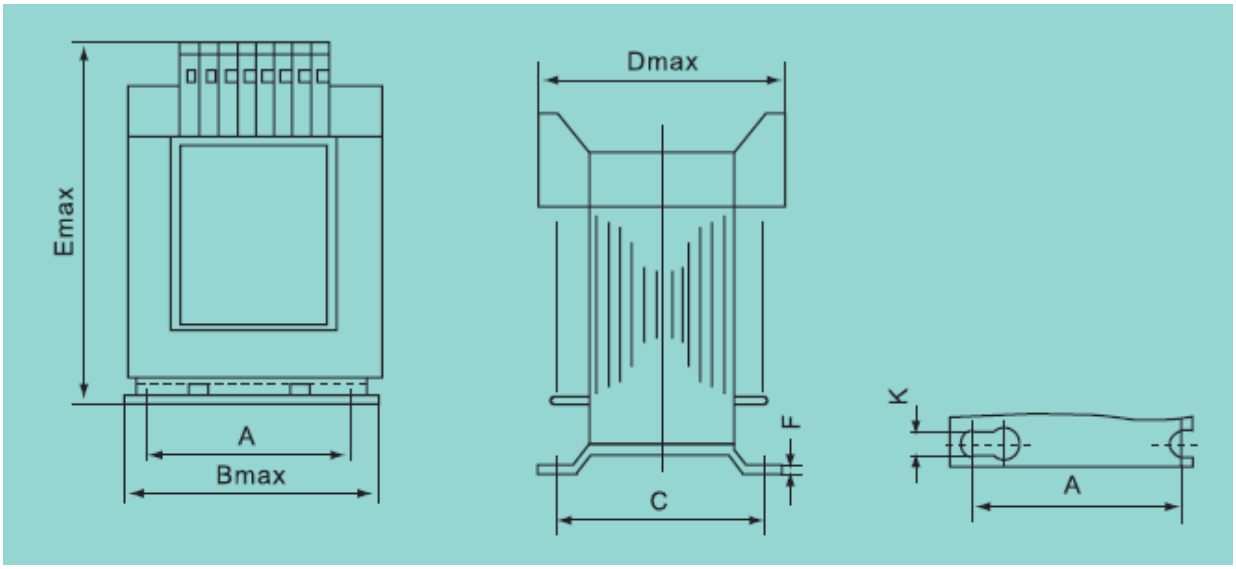
Standards & Compliance

AS/NZS 61558.1:2018	General requirements and tests
AS/NZS 61558.2.6:2022	Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications
IEC 61558-2-2:2022	Particular requirements and tests for control transformers and power supply units incorporating control transformers

Product Details

Part Number	Rated Power	Output Current	Recommended Upstream MCB Rating	No-load loss
TRA23024/40VA	40VA	1.67A	2	2.8W
TRA23024/63VA	63VA	2.63A	2	2.8W
TRA23024/100VA	100VA	4.17A	4	4.2W
TRA23024/160VA	160VA	6.67A	6	6.5W
TRA23024/250VA	250VA	10.4A	10	8.5W
TRA23024/400VA	400VA	16.7A	16	13.0W
TRA23024/630VA	630VA	26.3A	25	20.0W
TRA23024/800VA	800VA	33.3A	32	27.0W

Dimension Diagrams



Rated power (VA)	Installing dimensions A	Installing dimensions C	Outline dimensions B	Outline dimensions D	Outline dimensions E	Outline dimensions F	Cavity K or K × J
40	56 ± 0.2	46 ± 0.5	78	72	95	1.2	4.6 × 8
63	56 ± 0.2	46 ± 0.5	78	72	95	1.2	4.6 × 8
100	64 ± 0.2	62 ± 0.5	85	75	98	1.5	4.6 × 8
160	84 ± 0.2	73.5 ± 0.5	96	92	110	1.5	5.5 × 10
250	84 ± 0.2	85 ± 0.5	96	100	110	1.5	5.8 × 10
400	90 ± 0.2	85 ± 0.5	120	100	130	2	5.8 × 10
500	90 ± 0.2	98	120	120	130	2	5.8 × 10
630	122 ± 0.2	90 ± 0.5	150	110	155	2	7 × 14
800	122 ± 0.2	105 ± 0.5	150	130	155	2	7 × 14