

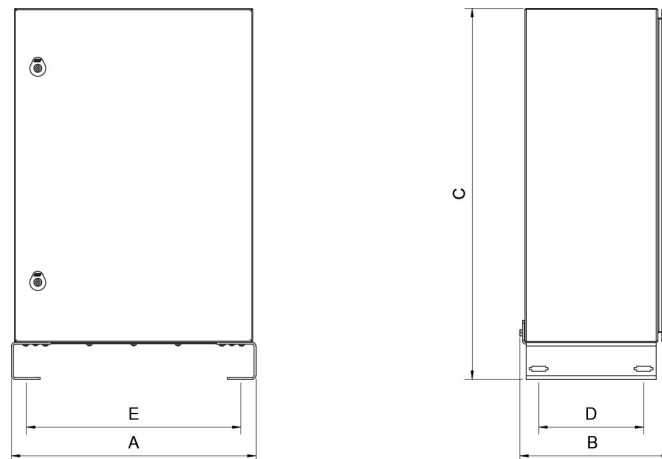
Single-phase isolation transformers with low dry type connection tip, anti-flash varnish finished in IP54/65 metal enclosure with protection against dust and water.



Technical characteristics

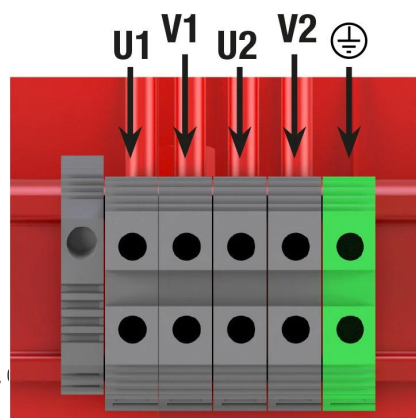
Rating	2,5 kVA
Input voltage	230 V
Output voltage	230 V
Frequency	50/60 Hz
Protection degree	IP-65 / IK-10
Cooling	ANAN
Ambient temperature	45 °C
Temperature rise	Class F - 155 °C
Insulation	Class H - 180 °C
Windings	Class HC - 200 °C
Inrush current	< 5In
Efficiency (%)	>95%
Noise level (dB)	<40dB
Test voltage	3 kV (1 min, 50 Hz)
Standards	IEC/EN/UNE-EN 61558, CE UL 5085-1 / UL 5085-2 CAN/CSA C22.2 No 66.1-06, CAN/CSA C22.2 No 66.2-06
Certifications	UL RECOGNIZED - CONSTRUCTION ONLY - Component FILE: E532753
Includes	Bimetal thermal protection
Weight	67 kg

Dimensions



Dimensions (AxBxCxDxE): 548x362x681x320x250 mm 11Ø

Electrical connection



Single-phase isolation transformers with low dry type connection tip, anti-flash varnish finished in IP54/65 metal enclosure with protection against dust and water.

Advantages

Dry type transformer.

Efficiency higher than 95%.

Low losses, reducing the consumption of the installation.

Low noise < 40Db

Low connection peak between 3 and 5In, for B or C curve input protection and at its rated current.

Maximum overload 200% 2 seconds.

Finished in anti-flash varnish, by immersion offering:

- Protection against corrosive environments.
- Increased electrical insulation.
- High compacting power.
- Reduction of the noise level.
- Increased product life.

Safety class I.

IP-65 up to 16 kVA and IP-54 as from 20 kVA (for IP-65 degree consult us), metal enclosure painted with polyester resin RAL 7035 (cat. C4 ISO 12994-2).

Includes cable glands and silent-blocks.

Possibility of customized manufacture if different specifications than standard are suitable.

Applications

- TK5IN transformers are used when galvanic isolation is required in single-phase installations.
- They can be used to switch from Phase-Phase to Phase-Neutral.
- To disconnect the neutral from earth in those installations with grounded Phase-Neutral.
- In installations where we have loads that in normal operation have a high level of earth leakage, the TK5IN transformers can isolate them, thus avoiding the untimely jump of the differential.
- In installations where there may be small voltage peaks or electrical noise, TK5IN transformers help to improve the quality of the signal that feeds the loads.
- In outdoor installations where weather conditions are adverse, the TK5INZ version with IP-54/65 outdoor use offers an optimum solution.

Available accessories

- PT100 sensors.
- Bimetal sensors.
- PTC sensors.
- Temperatura control unit.
- Metal enclosure painted with polyester resin RAL 7035 (cat. C5 ISO 12994-2).

Downloads

- [Obtaining a neutral - Bridge configuration TK5IN \(PH+N output\).](#)
- [Installation and maintenance manual.](#)
- [CE Certificate.](#)