



STEP-DOWN TRANSFORMER BOXES

YaTP-0,25 230/36-2

Passport

MTT5.001.1

1 Purpose and Application

1.1 Step-down transformer box YaTP-0,25 230/36-2 IEK trade mark is intended for supplying local or maintenance lighting as well as for connecting portable lights and tools inside the premises out of the reach of non-specialists and comply with IEC 61439-5 and technical specifications TY 3434-001-85655524-2010.

2 Technical Features

Rated operating primary voltage, V	230±5%
Rated operating secondary voltage, V	36±5%
Rated frequency, Hz	50
Rated primary current, A	2
Rated secondary current, A	6
Rated insulation voltage, V	600
Rated impulse withstand voltage, kV	2,5
Rated short-time withstand current, kA	4,5
Prospective short-circuit current of incoming and outgoing units, kA	4,5
Protection degree according to IEC 529	IP30
Grounding system type	TN-S
Function blocks electric connection type	FFX
Connected cable type	H05W-F
Connected cable size, mm ²	1,5 ÷ 2,5
Overall Dimensions (Height x Width x Depth), mm	130x220x155
Weight, kg (max.)	6
Anti-corrosion finish	ISO 9223
Service life, years	25

3 Complete Set

YaTP-0,25 box, pcs. – 1
Passport, pcs. – 1



4 Construction

4.1 YaTP-0,25 consists of a base with a single-phase step-down transformer with capacity of 250 VA and voltage of 230/36 V, three MCBs, a female plug per 16 A and a cover.
4.2 Input clamps ensure connecting copper and aluminum conductors from 1,5 to 2,5 mm² in section.

5 Safety Precautions

5.1 Personnel protection from direct access to the conducting parts is secured by the casing and protection enclosure. Protection from indirect contact with the conducting parts is ensured by protective bonding circuits.
5.2 YaTP-0,25 box should be grounded.
5.3 Protective conductors should be connected to (PE) bus.
5.4 All mounting and maintenance works should be performed in the release condition by specially trained personnel meeting all the requirements of the technical standard documentation in the area of electric engineering.

6 Setting-up Procedures

6.1 Fix YaTP-0,25 on the vertical surfaced with 5 mm screws. Fixtures should sustain loads of 30 kg min.
6.2 Take off the cover.
6.3 Connect the grounding conductor to the box base.
6.4 Lead external cables in.
6.5 Connect the tripped wires of the outgoing cables according to the electrical diagram.

7 Maintenance and Operating Conditions

7.1 Operation of YaTP-0,25 should be carried out in accordance with the acting requirements of electrical safety as well as other normative and technical documentation regulating exploitation, arrangement and repair of electric equipment.
7.2 Preventive check should be performed only in the release condition.

7.3 YaTP-0,25 should be operated in the following conditions:

Operating temperature range, °C	from –5 to +40
Max. humidity	50% at +40 °C or 90% at +25 °C
Environmental pollution level	3
Base altitude, m	до 2000

Environment: non-explosive, dustless, free of corrosive gases and vapors in the amount violating the device's operation