

Safety Transformer

DIN rail mountable

Absolutely short-circuit proof

Can be installed before the safety relay

Cast and consequently no noise

Double insulated with terminal cover

Low consumption and heat generation

230/24 VAC – 4.8 VA



EN 60742



Application

The safety transformer is used for supplying utility meters and remote reading equipment in both houses and industrial environments.

The transformer can be installed in distribution panels with a DIN rail and separately on a plane surface by means of enclosed brackets.

Sealable terminal covers are enclosed as well. Further capsuling is therefore not necessary, when installing the transformer into the distribution panel.

The safety transformer is extremely service friendly and reduces the personal risk in connection with mains supply of consumption meters and remote reading equipment.



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Technical data

Electrical data

Primary voltage	230 VAC, 50 Hz
Secondary voltage	≤ 25 VAC unloaded ≥ 23 VAC loaded with 0.1 A
Max. load	0.2 A
Max. power	4.8 VA
Insulation voltage	4 kV between primary and secondary voltage
Absorbed power	Max. 1.7 W when supplying a MULTICAL®
Yearly consumption	15 kWh when supplying a MULTICAL®
Short-circuit protection	Absolutely short-circuit proof by means of PTC fuse
Short circuit current	< 2.5 A
Safety standards	Meets EN 60742 and VDE 0551

Mechanical data

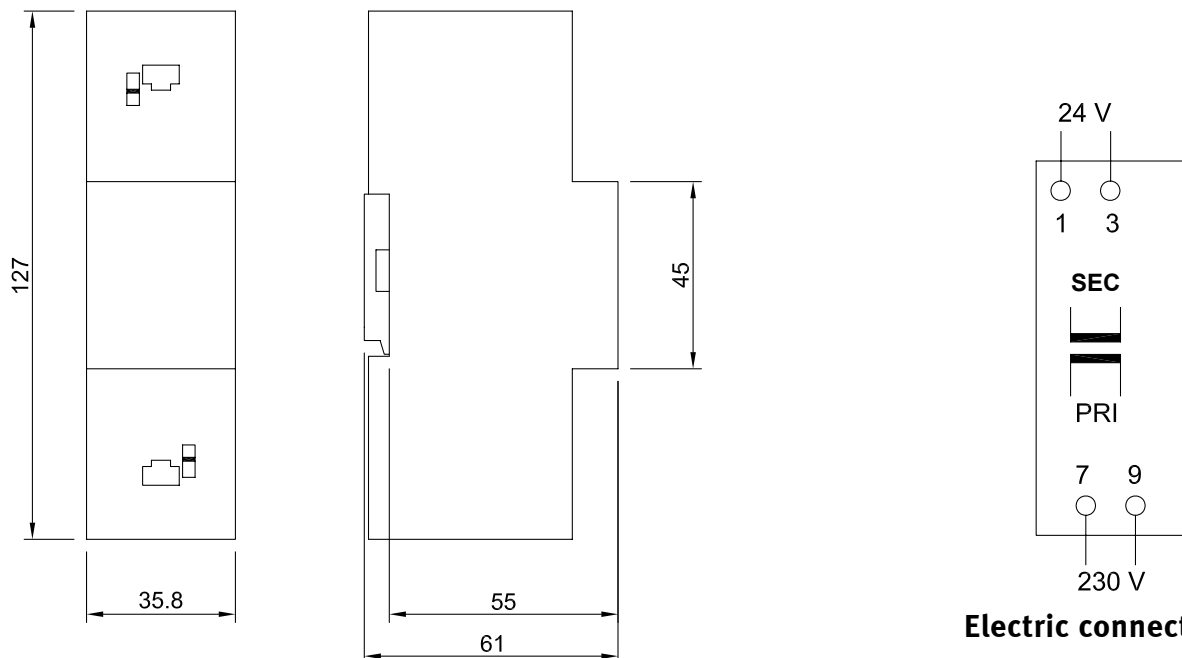
Protection class	IP 40
Width	35.8 mm
Height	61 mm (including DIN rail)
Length	127 mm (including terminal covers)
Weight	480 g
Casting colour	Grey, RAL 7035
Casing material	Unbreakable and self-extinguishing plastic
Terminals	Max. 2.5 mm ² cable
Torque	Ca. 0.5 Nm

Installation requirements

Only to be installed by an authorised electrician and only in accordance with the regulatory requirements in force. National safety requirements must be followed during installation. If the transformer is connected before a safety relay the primary connections must be installed with intrinsic protection against short circuits.

Secondary connection ≥ 0.5 mm².

Dimensional drawing and electric connection



Dimensional drawing

Electric connection

Order specification

Type 66-99-403