



ACT 100

## Sicherheitstransformator ACT Safety transformer ACT Range

- ▶ **Kurzschlussfest**  
Short circuit proof
- ▶ **Integrierte Absicherung durch  
Temperatursicherung und  
Schmelzsicherung**  
Integrated fuse protection and  
thermal cutout
- ▶ **Gießharzvollverguss**  
Encapsulated in resin

Kurzschlussfester Sicherheitstransformator nach IEC 61558-2-6, DIN EN 61558-2-6, VDE 0570 Teil 2-6

Stabiles Kunststoffgehäuse für Tragschienenmontage (DIN EN 50022) z. B. in Installationskleinverteilern oder Zählerplätzen

Safety transformer to IEC 61558-2-6, DIN EN 61558-2-6, VDE 0570 part 2-6

Stable plastic enclosure for panel installation on mounting rails (DIN EN 50022) in consumer units or meter boards



Typ Type	ACT 10	ACT 25	ACT 63	ACT 100
<b>Eingangsspannung</b> Input voltage	<b>230 V</b>	<b>230 V</b>	<b>230 V</b>	<b>230 V</b>
Frequenzbereich Frequency range	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
<b>Ausgangsspannung</b> Output voltage	<b>24 V</b>	<b>24 V</b>	<b>24 V</b>	<b>24 V</b>
<b>Leistung</b> Power	<b>10 VA</b>	<b>25 VA</b>	<b>63 VA</b>	<b>100 VA</b>
Kurzschlussfestigkeit Short circuit strength	kurzschlussfest short-circuit proof	kurzschlussfest short-circuit proof	kurzschlussfest short-circuit proof	kurzschlussfest short-circuit proof
Schutzart Protection index	IP 00	IP 00	IP 00	IP 00
Schutzklasse (vorbereitet) Safety class (prepared)	II	II	II	II
Kühlart Cooling method	Selbstkühlung self cooling	Selbstkühlung self cooling	Selbstkühlung self cooling	Selbstkühlung self cooling
Umgebungstemperatur max. Ambient temperature max.	40 °C	40 °C	40 °C	40 °C
Isolierstoffklasse Class of Insulation System	B	B	B	B
Prüfspannung Test voltage	3750 V, 50 Hz	3750 V, 50 Hz	3750 V, 50 Hz	3750 V, 50 Hz
Bauart Type	gekapselt, vergossen im Isolierstoffgehäuse resin encapsulated transformer	gekapselt, vergossen im Isolierstoffgehäuse resin encapsulated transformer	gekapselt, vergossen im Isolierstoffgehäuse resin encapsulated transformer	gekapselt, vergossen im Isolierstoffgehäuse resin encapsulated transformer
Anschlüsse Terminals	Schraubklemmen screw-type terminals	Schraubklemmen screw-type terminals	Schraubklemmen screw-type terminals	Schraubklemmen screw-type terminals
Breite Wide	94 mm	94 mm	94 mm	94 mm
Höhe Height	63 mm	63 mm	63 mm	63 mm
Länge Length	35 mm	106 mm	159 mm	159 mm
Befestigung Fixing method	Tragschienenmontage panel installation on mounting rails	Tragschienenmontage panel installation on mounting rails	Tragschienenmontage panel installation on mounting rails	Tragschienenmontage panel installation on mounting rails
Gewicht Weight	0.36 kg	0.95 kg	1.93 kg	1.93 kg
<b>Bestellnummer</b> Order Number	<b>ACT 10</b>	<b>ACT 25</b>	<b>ACT 63</b>	<b>ACT 100</b>

# Data sheet: Safety isolating transformers type ACT

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Description ..... : safety isolating transformer

Manufactured to..... : EN 61558 / VDE 0570

Test voltage ..... : PRI - SEC 3750 V, 50 Hz

Short-circuit protection ..... : short-circuit proof

Construction ..... : potted in insulated housing

Protection class ..... : prepared for protection class II

Protection index ..... : IP 00

Insulation class of the  
insulation system ..... : B

Input voltage ..... : 230 V

Frequency ..... : 50 - 60 Hz

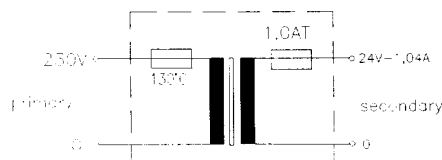
Output voltage ..... : 24 V

Connections ..... : screw-type terminals

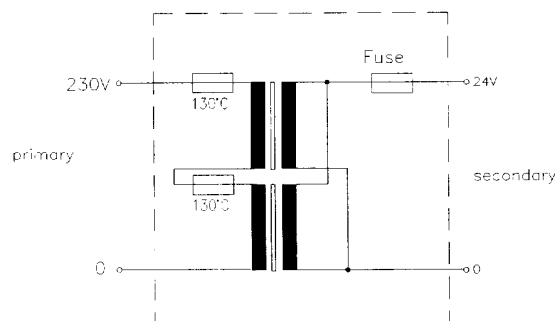
Mounting ..... : panel installation on mounting rails (DIN EN 50 022)

Packing ..... : separately packed in cartons

Schematic plan :



ACT 25



ACT 63/ACT100

Description:

The ACT type are short circuit proof safety isolating transformers encapsulated in resin.

These transformers have stable plastic cases for panel mounting on DIN EN 50 022 rails in distribution cabinets and meter panels.

Integrated thermal fuse and additional fuse link, for protection against short circuit and overload.

Input and output with screw terminals

Note :

- \* fully cast-resin moulded transformer
- \* incorporated fuse protection and thermal cutout against short circuit and overload
- \* for panel installation on mounting rails (DIN EN 50 022)

**Output power 25 VA**    Type ACT 25  
Height 63 mm            Weight 950 g  
Ground area 106 mm x 94 mm (Fig.1)

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Input Voltage        (V)..... 230  
Secondary fuse..... 1,0AT  
AC Full Load Voltage (V) ..... 24  
AC Output Current    (A) ..... 1,04

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Regulation                            typ. 9,8 %  
No load (active) power            typ. 2,9 W  
Efficiency                            typ. 78 %

**Output power 63 VA**    Type ACT 63  
Height 63 mm            Weight 1930 g  
Ground area 159 mm x 94 mm (Fig.2)

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Input Voltage        (V)..... 230  
Secondary fuse..... 2,5AT  
AC Full Load Voltage (V) ..... 24  
AC Output Current    (A) ..... 2,625

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Regulation                            typ. 7,7 %  
No load (active) power            typ. 6,0 W  
Efficiency                            typ. 84 %

**Output power 100 VA**    Type ACT 100  
Height 63 mm            Weight 1930 g  
Ground area 159 mm x 94 mm (Fig.2)

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Input Voltage        (V)..... 230  
Secondary fuse..... 4,0AT  
AC Full Load Voltage (V) ..... 24  
AC Output Current    (A) ..... 4,17

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Regulation                            typ. 8,9 %  
No load (active) power            typ. 5,0 W  
Efficiency                            typ. 85,2 %