



Simply well supplied

Whether you need socket outlets for installing in VDE, UL, CEI or CEE distribution boards or power supply units – our electrical installation technology offers you a complete program.

Short-circuit-proof transformers and power supply units with different voltage and power ratings fulfill every requirement for safety extra-low voltage systems.

Transformers, Power Supply Units and Socket Outlets



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A multitude of additional information ...

Information + ordering

All the important things at a glance

For information about transformers, power supply units and socket outlets, please visit our website www.siemens.com/lowvoltage

Your product in detail

The relevant tender specifications can be found at www.siemens.com/lowvoltage/tenderspecifications

Use our conversion tool for quick and easy conversion to Siemens products www.siemens.com/conversion-tool

Everything you need for your order

Refer to the Industry Mall for an overview of your products

- Transformers, power supply units and socket outlets sie.ag/2mmSHHu

Direct forwarding to the individual products in the Industry Mall by clicking on the article number in the catalog or entering this web address incl. article number www.siemens.com/product?Article No.

The fast track to the experts

Contact persons in your region

We offer a comprehensive portfolio of services. You can find your local contacts at www.siemens.com/lowvoltage/components/contact

You will find further information on services at www.siemens.com/service-catalog

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at www.siemens.com/support-request

... can be found in our online services

Commissioning + operation

Your product in detail

The Siemens Industry Online Support (SIOS) provides detailed technical information

www.siemens.com/lowvoltage/product-support

- Operating instructions
- Certificates

Comprehensive mobile support via the Siemens Industry Online Support app available for download from the

[App Store](#) and [Play Store](#)

You will find further information at

www.siemens.com/support-app

Provision of 3D data (step and u3d data formats)

- Siemens Industry Mall
www.siemens.com/lowvoltage/mall
- Image database
www.siemens.com/lowvoltage/picturedb

Engineering data for CAD or CAE systems are available in the CAX Download Manager at

www.siemens.com/cax

Manuals

Manuals are available for downloading in Siemens Industry Online Support (SIOS) at

www.siemens.com/lowvoltage/manuals

- Configuration Manual
 - Transformers, power supply units and socket outlets
(45315886)

Technical overview – Transformers, power supply units and socket outlets



The fast way to get you to our online services

This page provides you with comprehensive information and links on transformers, power supply units and socket outlets

www.siemens.com/lowvoltage/product-support (109764946)

System overview

Transformers



4AC32 bell transformers



4AC37 safety transformers

Power supply units



4AC2 electronic power supply units

Socket outlets



5TE6 socket outlet for modular installation devices

Accessories



Hinged lid

Note:

You will find a detailed range of accessories with the basic units.

4AC32 bell transformer

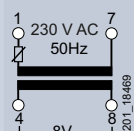
U_e 230 V AC



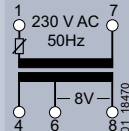
Bell transformers

Mounting width

2 MW



2 MW



Rated secondary current I_{sec} AC
at rated secondary voltage U_{sec} AC

4 V	8 V	12 V	24 V
–	1.0 A	–	–
		0.6 A	–
	2.0 A	1.3 A	0.6 A
2.0 A	2.0 A	1.5 A	–

Rated operational power P_s

8 VA	8 VA
4AC3208-0	–
–	4AC3208-1
–	–
–	–

Further technical specifications

4AC3208-0

4AC3208-1

4AC3214-0

4AC3218-0

Standards

Standards EN 61558-1, EN 61558-2-8

Supply

Rated operational voltage U_e 230 V AC

Primary operating range at 50 Hz $1.04 \times U_e$

Rated frequency 50 Hz

Rated power dissipation P_v	In no-load operation	1.2 W	1.3 W	
	At a rated voltage of 4 V	–		5.5 W
	At a rated voltage of 8 V	5.7 W	10.5 W	8.1 W
	At a rated voltage of 12 V	–	3.8 W	7.4 W
	At a rated voltage of 24 V	–	4.2 W	–

Safety

Safe separation Creepage distances and clearances >6 mm

Insulation class E

Test voltage (50 Hz, 1 s) Primary against secondary winding 4 kV

Connection

Conductor cross-section	Rigid	1 × 4 mm ² or 2 × 2.5 mm ²
	Flexible, with end sleeve	1 × 2.5 mm ² or 2 × 1.5 mm ²

Ambient conditions

Permissible ambient temperature 40 °C 35 °C 40 °C

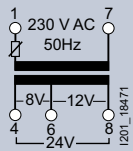
Permissible humidity 91%

Degree of protection Acc. to EN 60629 IP20

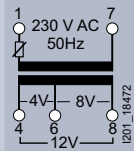
Protection class Acc. to EN 61140 (VDE 0140-1) II



2 MW



2 MW



14 VA

—
—
4AC3214-0
—

18 VA

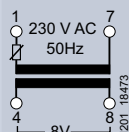
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4AC3218-0

4AC37 safety transformer

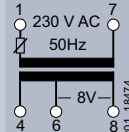
U_e 230 V AC



Mounting width 2 MW



3 MW



Rated secondary current I_{sec} AC
at rated secondary voltage U_{sec} AC

8 V	12 V	16 V	24 V	32 V
2.0 A	–	–	–	–
–	2.0 A	–	–	–
–	3.3 A	2.5 A	1.6 A	1.2 A
–	–	–	1.6 A	–
–	5.2 A	–	2.6 A	–

Rated operational power P_s

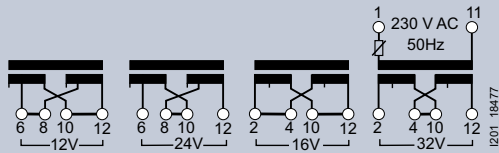
16 VA	24 VA
4AC3716-0	–
–	4AC3724-0
–	–
–	–
–	–

Further technical specifications

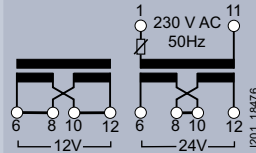
Further technical specifications		4AC3716-0	4AC3724-0	4AC3740-0	4AC3740-1	4AC3763-0
Standards						
Standards		EN 61558-1, EN 61558-2-6				
Supply						
Rated operational voltage U_e		230 V AC				
Primary operating range at 50 Hz		$1.04 \times U_e$				
Rated frequency		50 Hz				
Rated power dissipation P_V	In no-load operation	1.1 W		3.5 W	3.9 W	
	At a rated voltage of 8 V	6.8 W	4.6 W	–		
	At a rated voltage of 12 V	–	7.6 W	7.1 W	7.5 W	13.2 W
	At a rated voltage of 16 V	–		7.7 W		–
	At a rated voltage of 24 V	–		7.7 W	8.1 W	13.5 W
	At a rated voltage of 32 V	–		7.6 W		–
Safety						
Safe separation	Creepage distances and clearances	>6 mm				
Insulation class		E		F		
Test voltage (50 Hz, 1 s)	Primary against secondary winding	4 kV				
Connection						
Conductor cross-section	Rigid	$1 \times 4 \text{ mm}^2$ or $2 \times 2.5 \text{ mm}^2$				
	Flexible, with end sleeve	$1 \times 2.5 \text{ mm}^2$ or $2 \times 1.5 \text{ mm}^2$				
Ambient conditions						
Permissible ambient temperature		25 °C				
Permissible humidity		91%				
Degree of protection	Acc. to EN 60629	IP20				
Protection class	Acc. to EN 61140 (VDE 0140-1)	II				



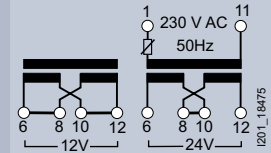
5 MW



5 MW



5 MW



40 VA

—
—
4AC3740-1
—
—

40 VA

—
—
4AC3740-0
—

63 VA

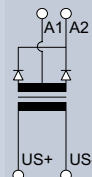
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4AC3763-0

4AC2 electronic power supply unit

SELV, short-circuit-proof



Mounting width 2 MW



Rated operational voltage U_e		Rated secondary voltage U_{sec}	Rated secondary current I_{sec}	Rated operational power P_s	
AC	DC	DC	DC		
85 ... 265 V	85 ... 300 V	24 ±5% V	0.35 A	8.4 W	4AC2402

Further technical specifications

Standards		
Standards		EN 60068-2, EN 61558-1, EN 61000-4
Approvals		–
Supply		
Primary operating range	At 50/60 Hz	–
Rated frequency		50/60 Hz
Operating frequency range		–
Rated power dissipation P_v	In no-load operation	–
	At rated load	–
Safety		
Current limitation		Electronic overload protection
Residual ripple		<100 mV
Hum-free	Core molded	–
Safe separation, creepage distances and clearances		>5.5 mm
Insulation class		–
Test voltage (50 Hz, 1 min)	Primary against secondary winding	–
Insulation resistance		4 kV
Rated impulse withstand voltage/Degree of pollution	Acc. to IEC 60664-1	6 kV/2
Static discharge	Acc. to IEC/EN 61000-4-2	8 kV
RF irradiation	Acc. to IEC/EN 61000-4-3	10 V/m
Transient overvoltage (burst)	Acc. to IEC/EN 61000-4-4	4 kV
Transient overvoltage (surge)	Acc. to IEC/EN 61000-4-5	
	Supply lines A1, A2	1 kV
	A1/A2 and ground	2 kV
RF, conducted disturbance	Acc. to IEC/EN 61000-4-6	10 V
Interference suppression to lower limit class	Acc. to EN 61000-6-3	Complied with
Connection		
Terminals	Screw (slotted-head)	M2.5
	± Screw (Pozidriv)	–
Conductor cross-section	Rigid	0.5 ... 2.5 mm ²
	Flexible, with end sleeve, min.	0.5 ... 1.5 mm ²
Ambient conditions		
Permissible ambient temperature		–20 ... +60 °C
Resistance to climate	Acc. to IEC/EN 60068-1	20/045/04
Resistance to vibrations, frequency 10 ... 55 Hz	Acc. to IEC/EN 60068-2-6	0.35 mm amplitude
Degree of protection	Acc. to EN 60529	IP20, with connected conductors
Protection class	Acc. to EN 61140	II

5TE6 socket outlet for modular installation devices

SCHUKO® socket outlet
DIN VDE 0620-1

Version



Rated operational voltage U_e	Rated operational current I_e	Mounting width
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Without hinged lid ¹⁾

125 V AC	15 A	2.5 MW
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230 V AC	16 A	2.5 MW
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With hinged lid ²⁾

230 V AC	16 A	2.5 MW
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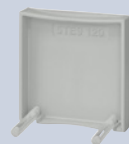
–
5TE6800

–
–

5TE6801

Accessories

5TE6 hinged lids for socket outlets



Mounting width

2.5 MW

Article No.

5TE9120

Article No.

–

¹⁾ The hinged lid can be retrofitted on all versions.

²⁾ In distribution boards with 55 mm mounting depth, the socket outlet can only be used without the hinged lid.

³⁾ In system components where equipment is still live even after the main switch has been disconnected, this must be indicated according to EN 50110-1 (VDE 0105-1) and IEC/EN 60204-1/VDE 0113-1.

Yellow socket outlets are used for these applications.

Further technical specifications

5TE6800
5TE6801
5TE6810

5TE6802

5TE6803

5TE6804

Standards

Standards	VDE 0620-1	CEI 23-50	CEE 7 standard sheet V	UL 498
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Approvals	VDE 0620-1	–	–	UL File No. E258598/ CSA C22.2 No. 182.3M
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Connection

Terminals	± Screw (Pozidriv)	PZ1
Terminal tightening torque	Max.	0.8 ... 1 Nm
Stripped length		10 mm
Conductor cross-section	Rigid	1.5 ... 6 mm ² (AWG 10 ... 14)
	Flexible, with end sleeve	0.5 ... 4 mm ² (AWG 14)

Ambient conditions

Permissible ambient temperature		–10 ... +55 °C
Degree of protection	Acc. to EN 60529	IP20, with connected conductors
Mounting position	Without hinged lid	Any
	With hinged lid	Horizontally or vertically

	Socket outlets CEE 7 standard sheet V	Socket outlets CEI 23-50	Socket outlets UL 498
Yellow RAL 1018 ³⁾	With grounding pin		
			
–	–	–	5TE6804
5TE6810	5TE6803	–	–
–	–	5TE6802	–

Article No.	Article No.	Article No.	Article No.
–	5TE9120	–	5TE9120