VTEKE®

SAMPLE EDITION

Current Transformers — Sample edition

Category catalog · 2026 — built from the product data VTEKE maintain for the website, to show how the catalog downloads. The official catalog will replace it.

27	1	2026
Products	Category	Edition



Category catalog · 2026

Current Transformers

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Toroidal Current Transformers



BK

BK Series Toroidal Current Transformer

The VTEKE BK Series is a busbar-type current transformer designed for current measurement in low-voltage electrical systems. Unlike conventional window-type current transformers, the BK Series features an integrated primary busbar connection, providing a compact and practical solution for direct integration into electrical panels and distribution systems. Different current ratios, accuracy classes and rated burden (VA) options are available according to measurement requirements.

KEY FEATURES

- Built-in bar type current transformer
- Primary current range: 5–200 A
- Integrated primary busbar: 25 × 3 mm
- No external conductor window required
- Plate-mounted design
- Compact construction for panel integration
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 15 VA
Accuracy Class	Class 0.5S, Class 0.5, Class 1.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Plate Mounted, KK0001
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	25 × 3 built-in busbar

Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	5 A to 200 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2

BK1C



BK1C Series Toroidal Current Transformer

The VTEKE BK1C Series is a compact current transformer designed with terminal connections for both primary and secondary circuits. Unlike conventional window-type current transformers, the primary conductor does not need to pass through the CT, allowing direct electrical connection through the terminals. This design provides a practical solution for current measurement in compact panels, equipment and applications where simplified wiring and space-efficient installation are required.

KEY FEATURES

- Closed-body current transformer
- Primary current range: 1–50 A
- Primary and secondary connections through top terminals
- No conductor window required
- On-plate mounting
- Compact terminal-connected construction
- Suitable for direct integration into electrical equipment

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 5 VA
Accuracy Class	Class 0.5, Class 1.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	On plate
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV

Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	1 A to 50 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



CK20

CK20 Series Toroidal Current Transformer

The VTEKE CK20 Series is a compact toroidal current transformer designed for accurate current measurement in low-voltage electrical systems where installation space is limited. Its compact dimensions make it particularly suitable for smaller conductors and space-constrained panel designs. Different current ratios, accuracy classes and rated burden (VA) options are available to meet various measurement requirements.

KEY FEATURES

- Window-type CT designed for cable conductors
- Primary current range: 30–300 A
- Round conductor: Ø20 mm
- Compact construction for space-limited installations
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 5 VA
Accuracy Class	Class 1.0 or Class 0.5
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV

Primary Conductor	20 mm
Round Conductor	Ø 20 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	30 A to 300 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



DK125

DK125 Series Toroidal Current Transformer

The VTEKE DK125 Series is a vertical-design toroidal current transformer developed for current measurement in low-voltage busbar systems. Its elongated vertical window provides increased installation space for vertically arranged or multiple busbars, making it particularly suitable for main distribution panels and industrial switchboards where conventional CT dimensions may not fit the busbar configuration.

KEY FEATURES

- Vertical rectangular-window current transformer
- Primary current range: 600–4000 A
- Primary conductor opening: 125 × 39 mm
- Busbar mount type
- Suitable for large busbar arrangements
- Vertical construction for specific busbar configurations
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 40 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Busbar Mount Type
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20

SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	125 × 39 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	600 A to 4000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK100

TK100 Series Toroidal Current Transformer

The VTEKE TK100 Series is a large-window toroidal current transformer designed for current measurement in high-current low-voltage distribution systems. Its increased conductor opening supports larger busbar configurations, making it suitable for main switchboards, industrial installations and power monitoring applications.

KEY FEATURES

- Large-window current transformer
- Primary current range: 1000–4000 A
- Busbar opening: 100 × 30 mm
- Round conductor: Ø85 mm
- Designed for high-current busbar applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 40 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20

SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	100 × 30 mm
Round Conductor	Ø 85 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	1000 A to 4000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK120

TK120 Series Toroidal Current Transformer

The VTEKE TK120 Series is a large-window toroidal current transformer developed for high-current measurement applications requiring increased conductor and busbar capacity. It is particularly suitable for main low-voltage distribution systems, industrial switchboards and large electrical installations.

KEY FEATURES

- Extra-large window current transformer
- Primary current range: 2000–6300 A
- Busbar opening: 70 × 120 mm
- Round conductor: Ø71 mm
- Designed for high-current distribution systems
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 60 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C

Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	70 × 120 mm
Round Conductor	Ø 71 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	2000 A to 6300 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK30

TK30 Series Toroidal Current Transformer

The VTEKE TK30 Series is a toroidal current transformer designed for reliable current measurement in low-voltage systems using 30 mm busbars. It provides a wide selection of current ratios, accuracy classes and rated burden (VA) options, making it suitable for metering, monitoring and general electrical distribution applications.

KEY FEATURES

- Window-type current transformer
- Primary current range: 40–600 A
- Busbar capacity: 30 × 10 mm
- Round conductor: Ø26 mm
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 12.5 VA
Accuracy Class	Class 0.5S, Class 0.5, Class 1.0 or Class 3.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	

Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 10 mm
Round Conductor	Ø 26 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	40 A to 600 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK30A

TK30A Series Toroidal Current Transformer

The VTEKE TK30A Series is designed for 30 mm busbar applications requiring enhanced measurement performance. Compared with the standard TK30 Series, it provides higher accuracy and rated burden (VA) options, making it suitable for applications with more demanding metering and measurement requirements.

KEY FEATURES

- High-accuracy window-type current transformer
- Primary current range: 25–600 A
- Busbar capacity: 30 × 10 mm
- Round conductor: Ø26 mm
- Designed for demanding measurement applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 30 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options

ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 10 mm
Round Conductor	Ø 26 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	25 A to 600 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK30N

TK30N Series Toroidal Current Transformer

The VTEKE TK30N Series is a compact toroidal current transformer designed for current measurement in 30 mm busbar applications where installation space is limited. Its space-saving construction makes it a practical solution for compact electrical panels while providing different current ratios, accuracy classes and rated burden (VA) options.

KEY FEATURES

- Compact window-type current transformer
- Primary current range: 40–600 A
- Busbar capacity: 30 × 10 mm
- Round conductor: Ø26 mm
- Space-saving construction
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 3.75 VA
Accuracy Class	Class 0.5, 1.0, 3.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC

Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 10 mm
Round Conductor	Ø 26 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	40 A to 600 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK40

TK40 Series Toroidal Current Transformer

The VTEKE TK40 Series is a toroidal current transformer designed for current measurement in low-voltage electrical systems using 40 mm busbars. It offers multiple current ratios, accuracy classes and rated burden (VA) options for a wide range of metering, monitoring and electrical distribution applications.

KEY FEATURES

- Window-type current transformer
- Primary current range: 200–800 A
- Busbar capacity: 40 × 10 mm
- Round conductor: Ø30 mm
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 10 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety

Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	40 × 10 mm
Round Conductor	Ø 30 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	200 A to 800 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK40A

TK40A Series Toroidal Current Transformer

The VTEKE TK40A Series is designed for 40 mm busbar applications requiring enhanced measurement performance. Compared with the standard TK40 Series, it provides higher accuracy and rated burden (VA) options, making it suitable for more demanding metering and monitoring applications.

KEY FEATURES

- Window-type current transformer
- Primary current range: 100–800 A
- Busbar capacity: 40 × 10 mm
- Round conductor: Ø26 mm
- Designed for enhanced measurement performance
- Multiple mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 20 VA
Accuracy Class	Class 0.2S, 0.2, 0.5S, 0.5, 1, 3, 5
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety

Case	Non-flammable, self-extinguishing ABS
Mounting	KK0001 or KK0002
ENVIRONMENTAL CHARACTERISTICS	
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	40 × 10 mm
Round Conductor	Ø 26 mm
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	100–800 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK60

TK60 Series Toroidal Current Transformer

The VTEKE TK60 Series is a toroidal current transformer designed for current measurement in larger conductor and busbar applications. Its increased window size provides installation flexibility for low-voltage distribution systems while offering multiple current ratios, accuracy classes and rated burden (VA) options.

KEY FEATURES

- Window-type current transformer
- Primary current range: 400–1250 A
- Busbar capacity: 60 × 10 mm
- Round conductor: Ø51 mm
- Suitable for larger conductor and busbar applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 20 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC

Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	60 × 10 mm
Round Conductor	Ø 51 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	400 A to 1250 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In or 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK60D

TK60D Series Toroidal Current Transformer

The VTEKE TK60D Series is a toroidal current transformer designed for applications requiring increased busbar installation capacity. Its extended window configuration accommodates up to three 60 × 10 mm busbars, providing a practical measurement solution for high-current distribution and industrial switchboard applications.

KEY FEATURES

- Extended-window current transformer
- Primary current range: 600–2000 A
- Primary conductor opening: 30 × 60 mm
- Round conductor: Ø31 mm
- Suitable for up to 3 × 60 × 10 mm busbars
- Designed for multiple-busbar arrangements
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 15 VA
Accuracy Class	Class 0.1, 0.2S, 0.2, 0.5S, 0.5 or Class 1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety

Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 60 mm
Round Conductor	Ø 31 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	600 A to 2000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In or 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK80

TK80 Series Toroidal Current Transformer

The VTEKE TK80 Series is a toroidal current transformer designed for current measurement in low-voltage systems with larger conductors and busbars. Its large window provides greater installation capacity, making it suitable for higher-current distribution, metering and industrial power applications.

KEY FEATURES

- Large-window current transformer
- Primary current range: 800–2000 A
- Busbar capacity: 80 × 10 mm
- Round conductor: Ø65 mm
- Suitable for larger busbar applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 30 VA
Accuracy Class	Class 0.1, 0.2S, 0.2, 0.5S, 0.5 or Class 1.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	

Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	80 × 10 mm
Round Conductor	Ø 65 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	800 A to 2000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In or 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2

Split Core Current Transformers



MSK24

MSK24 Series Split Core Current Transformer

The VTEKE MSK24 Series is a compact split core current transformer designed specifically for current measurement in existing low-voltage cable systems. Its openable core allows installation around the cable without disconnecting the primary conductor, making it suitable for space-limited retrofit metering and monitoring applications.

KEY FEATURES

- Split-core current transformer designed for cable systems
- Primary current range: 100–300 A
- Cable opening: Ø24 mm

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	100–300 A
Rated Secondary Current	5 A
Available Accuracy Classes	Class 3, Class 1

- Installation without disconnecting the primary cable
- Cable-mounted construction with cable-tie support
- Self-extinguishing ABS housing

Rated Burden	Up to 2.5 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	FS 5
Maximum System Voltage	0.72 kV
Test Voltage	3 kV / 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing ABS
Terminal Type	1 m black and red secondary connection wires
Mounting	On cable using front and back support with cable tie
Primary Conductor Opening	Ø24 mm
Number of Inputs	1
STANDARDS	
Applicable Standards	IEC 60044-1; IEC 61869-2; VDE 0414-1; DIN 57414; BS 3938; BS 7626; EN 61869-2



MSK36

MSK36 Series Split Core Current Transformer

The VTEKE MSK36 Series is a split core current transformer designed for current measurement in existing low-voltage cable systems. Its openable core enables convenient installation around the cable without disconnecting the primary conductor, providing a practical solution for retrofit metering, energy monitoring and electrical panel applications.

KEY FEATURES

- Split-core current transformer designed for cable systems
- Primary current range: 100–600 A
- Cable opening: Ø36 mm
- Installation without disconnecting the primary cable
- Cable-mounted construction with cable-tie support

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	100–600 A
Rated Secondary Current	5 A
Available Accuracy Classes	Class 3, Class 1, Class 0.5
Rated Burden	Up to 5 VA
Rated Frequency	50/60 Hz

- Self-extinguishing ABS housing

Safety Factor (FS)	FS 5
Maximum System Voltage	0.72 kV
Test Voltage	3 kV / 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing ABS
Terminal Type	1 m black and red secondary connection wires
Mounting	On cable using front and back support with cable tie
Primary Conductor Opening	Ø36 mm
Number of Inputs	1
STANDARDS	
Applicable Standards	IEC 60044-1; IEC 61869-2; VDE 0414-1; DIN 57414; BS 3938; BS 7626; EN 61869-2



MSK50

MSK50 Series Split Core Current Transformer

The VTEKE MSK50 Series is a split core current transformer designed for current measurement in low-voltage systems using larger cables. Its increased conductor capacity and openable core allow installation around existing cables without disconnection, making it suitable for retrofit metering, monitoring and higher-current cable applications.

KEY FEATURES

- Split-core current transformer designed for cable systems
- Primary current range: 100–800 A
- Cable opening: Ø50 mm
- Installation without disconnecting the primary cable
- Cable-mounted construction with cable-tie support
- Self-extinguishing ABS housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	250–800 A
Rated Secondary Current	5 A
Available Accuracy Classes	Class 1, Class 0.5
Rated Burden	Up to 5 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	FS 5
Maximum System Voltage	0.72 kV

Test Voltage	3 kV / 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing ABS
Terminal Type	1 m black and red secondary connection wires
Mounting	On cable using front and back support with cable tie
Primary Conductor Opening	Ø50 mm
Number of Inputs	1
STANDARDS	
Applicable Standards	IEC 60044-1; IEC 61869-2; VDE 0414-1; DIN 57414; BS 3938; BS 7626; EN 61869-2



SK58

SK58 Series Split Core Current Transformer

The VTEKE SK58 Series is a split core current transformer designed for current measurement in existing low-voltage electrical installations.Its openable core allows installation around busbars or cables without disconnecting the primary conductor,making it a practical solution for retrofit metering, monitoring and energy management applications.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 250–1600 A
- Primary conductor opening: 50 × 80 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	250–800 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 3, Class 1, Class 0.5
Rated Burden	Up to 5 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	

Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK812

SK812 Series Split Core Current Transformer

The VTEKE SK812 Series is a split core current transformer designed for current measurement in low-voltage installations with larger busbars or cables. Its openable core allows installation without disconnecting the primary conductor, making it suitable for retrofit applications where interruption of the existing electrical installation should be minimized.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 400–3000 A
- Primary conductor opening: 80 × 120 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	800–2000 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 1, Class 0.5
Rated Burden	Up to 15 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	

Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK816

SK816 Series Split Core Current Transformer

The VTEKE SK816 Series is a split core current transformer developed for current measurement in low-voltage systems using larger busbar and cable configurations. Its openable core provides convenient installation around existing conductors without disconnection, making it particularly suitable for retrofit metering and power monitoring applications.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 1000–5000 A
- Primary conductor opening: 80 × 160 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	1000–4000 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 0.5
Rated Burden	Up to 30 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate

Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK820

SK820 Series Split Core Current Transformer

The VTEKE SK820 Series is a large split core current transformer designed for current measurement in high-current low-voltage installations using large busbars or cables. Its openable core enables installation around existing conductors without disconnection, providing a practical solution for main distribution, retrofit metering and power monitoring systems.

KEY FEATURES

- Large split-core current transformer for busbars and cables
- Primary current range: 2000–6300 A
- Primary conductor opening: 80 × 200 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	2000–6300 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 0.5
Rated Burden	Up to 30 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	

Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK88

SK88 Series Split Core Current Transformer

The VTEKE SK88 Series is a split core current transformer designed for current measurement in existing low-voltage electrical installations using busbars or cables. Its openable core enables fast installation without disconnecting the primary conductor, providing a practical solution for retrofit metering, monitoring and electrical distribution applications.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 400–2000 A
- Primary conductor opening: 80 × 80 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	400–1250 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 1, Class 0.5
Rated Burden	Up to 10 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2

Core Balance Current Transformers (CBCT)



REPRESENTATIVE IMAGE

VAYR

VAYR Series Core Balance Current Transformer (CBCT)

The VTEKE VAYR Series is a split-core rectangular Core Balance Current Transformer designed for residual current detection in existing low-voltage electrical installations. Its openable core enables installation around large conductors or busbars without dismantling the existing conductor arrangement, making it particularly suitable for retrofit earth leakage protection applications. When used with the VTEKE ELR-V3 Earth Leakage Relay, it provides the current signal required for earth leakage protection and monitoring.

KEY FEATURES

- Split-core rectangular Core Balance Current Transformer
- Designed for earth leakage protection and monitoring
- Designed for use with VTEKE ELR-V3
- Installation without dismantling the existing conductor arrangement
- Large rectangular conductor openings
- Suitable for large conductor and busbar arrangements
- Ideal for retrofit installations

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Maximum Operating Voltage	1000 V
Fault Current at Input Rated Value	30 A
Rated Surge Withstand Voltage	3 kV
Frequency	50/60 Hz
Turns Ratio	1000/1
Test Voltage	3 kV AC, 1 min
Permissible Current	20 kA, 1 s
Insulation Resistance	100 MΩ at 500 VDC
MECHANICAL CHARACTERISTICS	
Construction	Split-Core Rectangular
Available Sizes	360 × 100, 500 × 100 mm
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-45°C to +55°C
Ambient Temperature	-20°C to +55°C
STANDARDS & COMPLIANCE	
Standard	IEC 60947-2*
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU



REPRESENTATIVE IMAGE

VDIK

VDIK Series Core Balance Current Transformer (CBCT)

The VTEKE VDIK Series is a solid rectangular Core Balance Current Transformer designed for residual current detection in low-voltage electrical installations with large conductor or busbar arrangements. When used with the VTEKE ELR-V3 Earth Leakage Relay, it provides a practical solution for earth leakage protection and monitoring where large rectangular openings are required.

KEY FEATURES

- Solid rectangular Core Balance Current Transformer
- Designed for earth leakage protection and monitoring
- Designed for use with VTEKE ELR-V3
- Large rectangular conductor openings
- Suitable for large conductor and busbar arrangements
- Solid-core construction
- Opening sizes up to 900 × 300 mm

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Maximum Operating Voltage	1000 V
Fault Current at Input Rated Value	30 A
Rated Surge Withstand Voltage	3 kV
Frequency	50/60 Hz
Turns Ratio	1000/1
Test Voltage	3 kV AC, 1 min
Permissible Current	20 kA, 1 s
Insulation Resistance	100 MΩ at 500 VDC
MECHANICAL CHARACTERISTICS	
Construction	Solid Rectangular
Available Sizes	360 × 100, 500 × 100, 850 × 200, 900 × 300 mm
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-45°C to +55°C
Ambient Temperature	-20°C to +55°C
STANDARDS & COMPLIANCE	
Standard	IEC 60947-2*
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU



REPRESENTATIVE IMAGE

VST-ELR

VST-ELR Series Summation Core Balance Current Transformer (CBCT)

The VTEKE VST-ELR Series is a Summation Current Transformer designed for use with Earth Leakage Relays (ELR) in low-voltage electrical installations. It sums the secondary currents received from multiple current transformers and provides the resulting residual-current signal to the earth leakage relay, enabling multiple circuits to be monitored through a single relay.

KEY FEATURES

- Summation Current Transformer for earth leakage applications
- Designed for use with Earth Leakage Relays (ELR)
- Sums secondary currents from multiple current transformers
- Enables multiple circuits to be monitored through a single relay
- DIN rail mounting
- Protected terminals
- Compact panel-mounting design

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated System Voltage	0.72/3 kV
Rated Transformation Ratio	5+5+5+5/0.1 A
Rated Burden	Up to 10 VA
Rated Frequency	50–60 Hz
MECHANICAL CHARACTERISTICS	
Mounting	DIN Rail
Terminals	2 Protected Terminals
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature	-20°C to +50°C
STANDARDS & COMPLIANCE	
Standards	EN 60044-1 / EN 61869-2 / IEC 61869-2



REPRESENTATIVE IMAGE

VTOR

VTOR Series Core Balance Current Transformer (CBCT)

The VTEKE VTOR Series is a toroidal Core Balance Current Transformer designed for residual current detection in low-voltage electrical installations. When used with the VTEKE ELR-V3 Earth Leakage Relay, it provides the current signal required for earth leakage protection and monitoring. The series offers multiple internal diameters to accommodate different conductor sizes and installation requirements.

KEY FEATURES

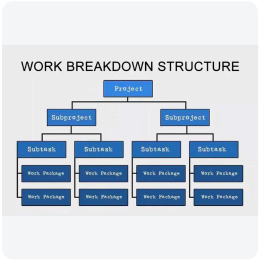
- Toroidal Core Balance Current Transformer
- Designed for earth leakage protection and monitoring
- Designed for use with VTEKE ELR-V3
- Circular opening sizes from Ø25 mm to Ø310 mm
- Multiple sizes for different conductor arrangements
- Solid-core construction

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Maximum Operating Voltage	1000 V
Fault Current at Input Rated Value	30 A
Rated Surge Withstand Voltage	3 kV
Frequency	50/60 Hz
Turns Ratio	1000/1
Test Voltage	3 kV AC, 1 min
Permissible Current	20 kA, 1 s
Insulation Resistance	100 MΩ at 500 VDC
MECHANICAL CHARACTERISTICS	
Construction	Toroidal, Solid Core
Available Sizes	Ø25, Ø45, Ø80, Ø100, Ø150, Ø210, Ø310 mm
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	

Operating Temperature	-45°C to +55°C
Ambient Temperature	-20°C to +55°C
STANDARDS & COMPLIANCE	
Standard	IEC 60947-2*
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU

Summation Current Transformer



VST5

VST5 Series Summation Current Transformer

The VTEKE VST Series Summation Current Transformers are designed to combine the secondary currents of multiple current transformers into a single output for centralized current measurement. The series enables currents from different feeders or electrical loads to be monitored through one measuring instrument, with configurations supporting up to nine current transformer inputs.

KEY FEATURES

- Summation of multiple current transformer secondary signals
- Up to 9 current transformer inputs
- Suitable for equal or unequal primary CT ratios
- Secondary output options of 1 A or 5 A
- DIN rail mounting
- Protected connection terminals
- Compact design for electrical panels

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Number of Inputs	2–9
Input Current	5 A per input (listed models)
Secondary Current	1 A / 5 A (general series feature)
Accuracy Class	0.5
Rated Burden	5 VA
Rated System Voltage	0.72/3 kV
Continuous Overcurrent	1.2 × In
Rated Short-Time Thermal Current	60 × In
MECHANICAL CHARACTERISTICS	
Mounting	DIN rail
Terminals	Protected terminals
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature	-20°C to +50°C
STANDARDS & COMPLIANCE	
Standards	EN 60044-1 / EN 61869-2 / IEC 61869-2