Automatic transfer switches

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For additional information on ABB automatic transfer switches, please visit:
https://electrification.us.abb.com/products/automatic-transfer-switches

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ATS Product family overview

Application	Commercial and Light Industrial, Data Center	Commercial, Infrastructure, Light Industrial, W/WW	Data Center, Finance, 24/7 Processes, General, Mission Critical
Product series	TruONE (OXA/OXB Series)	ZTG T-series	ZTS T-series
Amp	30 - 1200A	30 - 3000A	30 - 3000A
Controller type	Level 2 (Dip) Level 3 (LCD) Level 4 (Touch)	Level 3 (LCD)	Level 4 (Touch)
Transition type	Open transition Delayed transition	Open transition Delayed transition	Open transition Delayed transition
NEMA type enclosure	Open	1, 3R, 4, 4X, 12	1, 3R, 4, 4X, 12
Voltage rating	200-480V	200-480V	200-480V
Frequency	50/60Hz	50/60Hz	50/60Hz
Phase system	Single/ Three Phase	Single/ Three Phase	Single/ Three Phase
Neutral configuration	Switched Overlapping	Solid Switched	Solid Switched Overlapping
Time based WCR	18-65kA @480V	-	18-100kA @480V
WCR with specific breaker	Up to 200kA @480V	Up to 200kA @480V	Up to 200kA @480V
WCR with specific fuse	Up to 200kA @480V	Up to 200kA @480V	Up to 200kA @480V
Short time rating	18-50kA 0.3/0.5 seconds	-	18-65kA 0.3/0.5 seconds
Communication option	Modbus RTU- Serial Modbus TCP/IP Ethernet IP	Modbus RTU- Serial Modbus TCP/IP Ethernet IP	Modbus RTU- Serial Modbus TCP/IP Ethernet IP
Configurable input/output	Up to (8) inputs and (7) outputs	Up to (8) inputs and (7) outputs	Up to (8) inputs and (7) outputs
Lug configuration	Mechanical lugs	Mechanical lugs	Mechanical lugs Compression lugs

Application	Commercial Building, Light Industry and Infrastructure	Commercial Building, Light Industry and Infrastructure
Product series	ZTGSE T-series (Service Entrance Rated)	ZTSSE T-series (Service Entrance Rated)
Amp	30 - 1200A	30 - 1200A
Controller type	Level 3 (LCD)	Level 4 (Touch)
Transition type	Open transition Delayed transition	Open transition Delayed transition
NEMA type enclosure	1, 3R, 4, 4X, 12	1, 3R, 4, 4X, 12
Voltage rating	200-480V	200-480V
Frequency	50/60Hz	50/60Hz
Phase system	Single/ Three Phase	Single/ Three Phase
Neutral configuration	Solid Switched	Solid Switched Overlapping
Time based WCR	-	-
WCR with specific breaker	Up to 65kA @480V	Up to 100kA @480V
WCR with specific fuse	-	-
Short time rating	-	-
Communication option	Modbus RTU- Serial Modbus TCP/IP Ethernet IP	Modbus RTU- Serial Modbus TCP/IP Ethernet IP
Configurable input/output	Up to (8) inputs and (7) outputs	Up to (8) inputs and (7) outputs
Lug configuration	Mechanical lugs	Mechanical lugs Compression lugs

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TruONE automatic transfer switch
Overview

TruONE. A critical breakthrough for critical power.
The new TruONE is the world's first true all-in-one automatic transfer switch (ATS), which incorporates switch and controller in one seamless unit. TruONE stands ready to ensure the steady delivery of critical power at all times due to rigorous performance testing.

TruONE ATS is a self-contained design that reduces the number of wires and connections, helping to decrease installation time by 80%.

Easy installation
An open-style TruONE ATS is as simple to install into an enclosure or panel as the lightest existing enclosed ATS solutions are to mount on a wall. Just by lifting a TruONE ATS into an enclosure and fixing four mounting screws to the back-panel, a full-blown ATS is created. The HMI can be accessed without opening the cabinet door by making a cut-out on the door.

Readily available manual operation
TruONE enables manual operation— even under load—without opening the panel door when the HMI is mounted to the ATS frame. The HMI can be detached from the frame for door mounting, offering more flexibility for the panel designer.

Snap-on accessories
TruONE's accessorizing concept improves the simplicity of the product and provide additional functionalities. All accessories - which are mounted, without tools, as snap-on solutions – are sited within the footprint of the switch frame.

Bring the highest level of convenience, efficiency and critical power security to your product, project or facility.

TruONE is the superior solution for:
• Genset OEMs
• Panel builders
• Consultants and engineers
• Contractors
• Facilities managers

TruONE provides superior critical power security for:
• Hospitals
• Sports arenas
• Retail environments
• High-rise buildings
• Commercial buildings
• Financial environments
• Data centers

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TruONE automatic transfer switch
Ordering code construction

ABB TruONE automatic transfer switch, open transition, 1000 amperes, UL, 3 phase + Neutral (3ph, 4 wire), Level 4 controls, 200–480 VAC voltage area, bottom entry (sources on bottom, load on top).

OX	A	1000	U	3	S	4	Q		B

ABB Brand

OX = ABB TruONE ATS

ATS type

A = Open transition I - II (without stable OFF position for load disconnection)

B = Delayed transition I - O - II (with stable OFF position for load disconnection)

ATS size

UL = 30, 60, 100, 125, 160, 200, 260, 400, 600, 800, 1000, 1200

IEC = 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600

Standard

E = IEC

U = UL

Phase poles

1 = 1-pole

2 = 2-pole

3 = 3-pole

Cabling direction

Open style, no enclosure

B = Bottom entry (sources on bottom, load on top)

T = Top entry (sources on the top, load on the bottom)

Enclosure rating

Blank = _(blank) Open style, no enclosure

Voltage code

Q = 200–480 VAC

Controller

2 = Level 2 controls (DIP)

3 = Level 3 controls (LCD)

4 = Level 4 controls (Touch)

Neutral

S = Switched Neutral

O = Overlapping Neutral

X = None

Controller	Mode of control	Features
Level 2	DIP switch	Standard control with limited options
Level 3	LCD screen	Advanced control with optional module for communication and programmable I/O module
Level 4	Touch screen	Superior control with level 3 features and power measurement & predictive maintenance

For more information:
https://electrification.us.abb.com/products/automatic-transfer-switches/truone-ats-0

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ZTG T-series
Overview

Automatic Transfer Switches 30-3000 A

The ZTG T-series is built for general purpose commercial and industrial applications. Powered by TruONE™ technology, Zenith ZTG series automatic transfer switches incorporate switch and controller in one seamless, self-contained unit, reducing the number of wires and connections. This design saves room in the enclosure and minimizes the potential for connection failures. In addition, the design incorporates modular components to reduce downtime and service costs, and an optimum interface for advanced control, connectivity, and energy efficiency.

Features
- True voltage agnostic on 30-1200 A
- Modular All-in-one integrated TruONE Technology ATS for 1200 A and below
- Traditional power contactor ATS with TruController
- Field installable plug-and-play accessories
- Enclosed contacts (1200 A and below)

Benefits
Simplify business operations

The ZTG T-series is equipped with an intuitive full-color touchscreen HMI and is compatible with ABB-common Ekip™ Connect software to ease commissioning and operation, maximize flexibility with a wide 200-480V range and an array of standard programmable functions and IO, and finally, simplify service with unique modular components that are easier to stock and replace in the field.

Maximize uptime

ZTG T-series is built for high performance and incorporates design elements for simple service. Taking it to the next level, the ZTG range is compatible with ABB Ability™ advanced cloud monitoring capable of alerting users to system anomalies anywhere, at any time.

Plan for a safe and sustainable future

The ZTG T-series lineup has unique advances in safety with faster switching and no line voltages connected at the door. Similarly, creating a sustainable operation is not just something owed to future generations, but a cultural shift becoming a key proposition of a successful business. ZTG leverages future-proof upgradable features and ABB Ability™ Energy and Asset Manager to empower users to lower their carbon footprint.

Applications
- Commercial buildings
- Industrial buildings
- Sports arenas
- Airports
- High-rise buildings
- Education and government
- Financial environments

Certifications
- cULus (UL 1008) listed
- NFPA 70, 99, 101, and 110
- IEEE 446 and 241
- NEMA ICS 10
- Seismic (certification in process)   IBC-2015 and IEEE-693-2005
- UL 508
- UL 50, NEMA 250, and NEMA ICS 6

ZTG T-series (30-1200A)
Ordering code construction

Understanding the type code keys below will help you quickly identify the correct product for your needs. The simple naming system allows you to see the products type, Ampere rating, standard classification and number of poles, all in one glance.

Z	G	D	M	3	X	X	1	2	–	C	X	3	X	E	4	X	X

ABB Brand
Z = Zenith

Product Family
G = ZTG

Transition Type
O = Open Transition
D = Delayed Transition

Amperage

A = 30 A	J = 260 A
B = 60 A	K = 400 A
C = 100 A	L = 600 A
D = 125 A	M = 800 A
F = 160 A	N = 1000 A
G = 200 A	P = 1200 A

Phase
1 = 1 Phase
3 = 3 Phase

Neutral
S = Switched neutral
X = No neutral
B = Solid neutral bar

System voltage (Line to Line)
X = T1 Panel - Voltage agnostic

Enclosure
1 = NEMA 1
2 = NEMA 12 / 4
3 = NEMA 3R
4 = NEMA 4X
5 = NEMA 3R w/ 208V heater/thermostat
6 = NEMA 3R w/ 240V heater/thermostat
7 = NEMA 3R w/ 480V heater/thermostat

Panel Assembly
2 = Std application, Sources on Bottom

Open
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Aux Contacts

X = No Aux Contacts	C = 4 NO and 4 NC
A = 2 NO	D = 8 NO
B = 2 NO and 2 NC	E = 8 NC

Metering Options

X = No meter	C = M91 meter (120-240V)
A = M90 meter (120-240V)	D = M91 meter (480V)
B = M90 meter (480V)	

X = Standard design

Open
X

Ekip Modules

No Ekip adders
XX = No additonal options

No communication
XA = Aux Power Module Only
X2 = 2 additional I/O
X4 = 4 additional I/O
X6 = 6 additional I/O

1 communication module
R2 = Modbus RTU + 2 IO
R4 = Modbus RTU + 4 IO
R6 = Modbus RTU + 6 IO
      (only 400 Amps +)
T2 = Modbus TCP + 2 IO
T4 = Modbus TCP + 4 IO
T6 = Modbus TCP + 6 IO
      (only 400 Amps +)
P2 = Profibus + 2 IO
P4 = Profibus + 4 IO
P6 = Profibus + 6 IO
      (only 400 Amps +)
E2 = Ethernet + 2 IO
E4 = Ethernet + 4 IO
E6 = Ethernet + 6 IO
      (only 400 Amps +)
D2 = DeviceNet + 2 IO
D4 = DeviceNet + 4 IO
D6 = DeviceNet + 6 IO
(only 400 Amps +)
N2 = Profinet + 2 IO
N4 = Profinet + 4 IO
N6 = Profinet + 6 IO
      (only 400 Amps +)

Lugs
X = Mech Standard on ZTG

Ground Bar

X = No ground bar, lug on cabinet	3 = (6) #6-250MCM
1 = (3) #8-1/0 cables	4 = (12) #6-250MCM
2 = (6) #8-1/0 cables	5 = (8) #2-600MCM

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ZTG T-series (30-1200A)

Ordering code construction

Loose accessories

Zenith ZTG loose accessories order codes

Suitable for switches ZTG(D) 30-1200 A, 200-480 Vac

Type	Qty (pcs)	Order code	Weight (lb)
12-24 Vdc auxiliary supply module	1	OXEA1	0.09
Ekip Com Modbus RTU-OX	1	ZEAMOD485	0.44
Ekip Com Modbus TCP-OX	1	ZEAMODTCP	0.44
Ekip Com Profibus	1	ZEAPRFIBUS	0.44
Ekip Com Profinet	1	ZEAPRFINET	0.44
Ekip Com EtherNet / IP	1	ZEAETHRNT	0.44
Ekip Com DeviceNet	1	ZEADEVICNET	0.44
Ekip Com Hub	1	ZEAEKIPHUB	0.44
Ekip Signalling 2K-1-OX	1	2K-1-OX	0.44
Ekip Signalling 2K-2-OX	1	2K-2-OX	0.44
Ekip Signalling 2K-3-OX	1	2K-3-OX	0.44
Ekip Programming Module	1	ZEAEKPPGM	0.44
Ekip Bluetooth Programming Module	1	ZEABT	0.44
Normally Open Auxiliary Contact	10	OA1G10	0.07
Normally Closed Auxiliary Contact	10	OA3G01	0.07

[1] Packing materials must be added to weights provided

For more information:
https://electrification.us.abb.com/products/automatic-transfer-switches/ztg-t-series

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ZTG T-series (1600-3000A)
Ordering code construction

Understanding the type code keys below will help you quickly identify the correct product for your needs. The simple naming system allows you to see the product type, ampere rating, standard classification and number of poles, all in one table.

Z	G	A	O	1	6	0	P	S	1	M	5	X	P	T	X	X	X

ABB Brand
Z = Zenith

Product Family
G = ZTG T-series

Application
A = ATS

Transition type
O = Open Transition
D = Delayed Transition

Amperage

160 = 1600 A	260 = 2600 A
200 = 2000 A	300 = 3000 A

System voltage

B = 208 V 1 Ph	J = 208 V 3 Ph
C = 220-240V 1 Ph	K = 220-240V 3 Ph
E = 380-415V 1 Ph	M = 380-415V 3 Ph
F = 440-480V 1 Ph	P = 440-480V 3 Ph

Neutral
S = Switched Neutral
X = No Neutral
B = Solid Neutral Bar

Enclosure

X = No Enclosure (configured open style)	6 = NEMA 1 + heater
1 = NEMA 1	7 = NEMA 12 + heater
2 = NEMA 12	8 = NEMA 3R + heater
3 = NEMA 3R	9 = NEMA 4 + heater
4 = NEMA 4	0 = NEMA 4X + heater
5 = NEMA 4X	

Lugs
M = Mechanical lugs 600 MCM (1600-3000A)

Ground Bar
6 = (12) #2-600MCM
7 = (24) #2-600 MCM
8 = (36) #2-600 MCM
X = No ground bar, lug on cabinet

Extra
X = None

Extra
X = None

Other Options
(Switches, Surge protection)
X = None
S = Switch - Test/Auto/inhibit/ Start (keyed)
T = SPD Type 1, Load Side
2 = S & T

Communications
X = None
R = Modbus RTU
T = Modbus TCP
E = Ethernet/IP
I = IEC 61850
D = DeviceNet
B = Profibus
N = Profinet
A = ABB Ability Ekip Com Hub
1 = Modbus RTU + Modbus TCP
2 = Modbus TCP + Ethernet/IP
3 = Modbus RTU + Ekip Com Hub
4 = Modbus TCP + Ekip com Hub
5 = Ethernet/IP + Ekip Com Hub
6 = DeviceNet + Ekip Com Hub
7 = Profibus + Ekip Com Hub
8 = Profinet + Ekip Com Hub

IO and indication packages
B = Base
P = Plus
C = Controls
F = Flex
M = Motor

Metering options
1 = M91 Meter
X = No Meter
0 = M90 Meter

For more information:
https://electrification.us.abb.com/products/automatic-transfer-switches/ztg-t-series

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ZTS T-series
Overview

Powered by TruONE™ technology, Zenith ZTS T-series automatic transfer switches incorporate switch and controller in one seamless, self-contained unit, reducing the number of wires and connections. This design saves room in the enclosure and minimizes the potential for connection failures. In addition, the design incorporates modular components to reduce downtime and service costs, and an optimum interface for advanced control, connectivity, and energy efficiency.

Features

- Predictive Maintenance: contact wear and temp monitoring - Standard
- True Voltage Agnostic on 30-1200 A
- Modular All-in-one integrated TruONE Technology ATS for 1200 A and below
- Traditional power contactor ATS with TruController
- Field installable plug-and-play accessories
- Enclosed contacts (1200 A and below)

Benefits
Simplify business operations

The ZTS T-series is equipped with an intuitive full-color touchscreen HMI and is compatible with ABB-common Ekip™ Connect software to ease commissioning and operation, maximize flexibility with a wide 200-480V range and an array of standard programmable functions and IO, and finally, simplify service with unique modular components that are easier to stock and replace in the field.

Maximize uptime

ZTS T-series is built for high performance and incorporates design elements for simple service. Taking it to the next level, this advanced ATS range takes a proactive outage mitigation approach by monitoring temperature and contact health 24/7 and alerting any anomalies, helping to ensure power keeps flowing.

Plan for a safe and sustainable future

The ZTS T-series lineup has unique advances in safety with faster switching and no line voltages connected at the door. Similarly, creating a sustainable operation is not just something owed to future generations, but a cultural shift becoming a key proposition of a successful business. ZTS leverages future-proof upgradability features and ABB Ability™ Energy and Asset Manager to empower users to lower their carbon footprint.

Applications

- Commercial buildings
- Industrial buildings
- Sports arenas
- Airports
- High-rise buildings
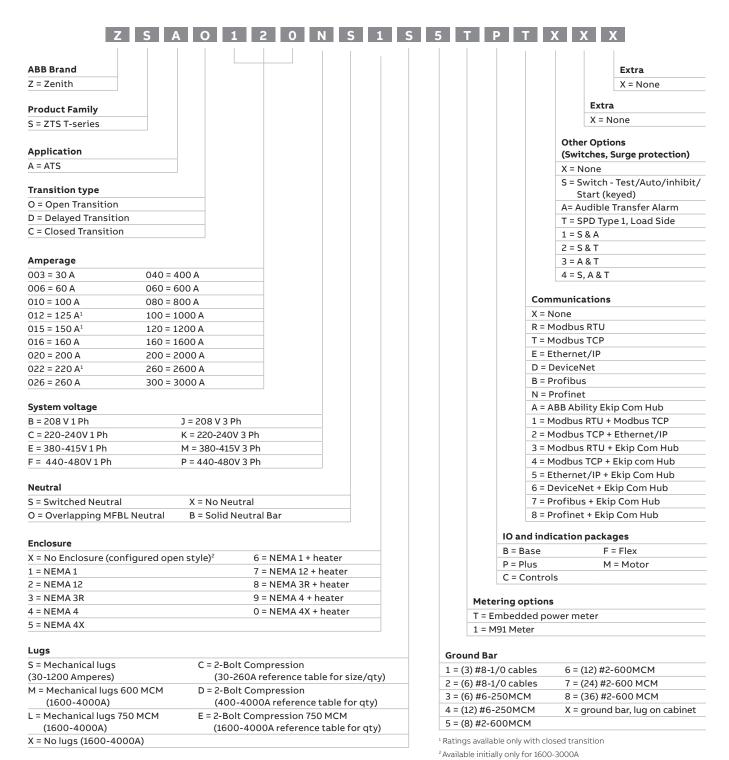- Education and government
- Financial environments

Certifications

- cULus (UL 1008) listed
- NFPA 70, 99, 101, and 110
- IEEE 446 and 241
- NEMA ICS 10
- Seismic certified- IBC-2015 and IEEE-693-2005
- UL 508
- UL 50, NEMA 250, and NEMA ICS 6

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ZTS T-series (30-3000A)
Ordering code construction

Understanding the type code keys below will help you quickly identify the correct product for your needs. The simple naming system allows you to see the product type, ampere rating, standard classification and number of poles, all in one table.

`Z S A O 1 2 0 N S 1 S 5 T P T X X X`

ABB Brand

Z = Zenith

Product Family

S = ZTS T-series

Application

A = ATS

Transition type

O = Open Transition
D = Delayed Transition
C = Closed Transition

Amperage

003 = 30 A	040 = 400 A
006 = 60 A	060 = 600 A
010 = 100 A	080 = 800 A
012 = 125 A[1]	100 = 1000 A
015 = 150 A[1]	120 = 1200 A
016 = 160 A	160 = 1600 A
020 = 200 A	200 = 2000 A
022 = 220 A[1]	260 = 2600 A
026 = 260 A	300 = 3000 A

System voltage

B = 208 V 1 Ph	J = 208 V 3 Ph
C = 220-240V 1 Ph	K = 220-240V 3 Ph
E = 380-415V 1 Ph	M = 380-415V 3 Ph
F = 440-480V 1 Ph	P = 440-480V 3 Ph

Neutral

S = Switched Neutral	X = No Neutral
O = Overlapping MFBL Neutral	B = Solid Neutral Bar

Enclosure

X = No Enclosure (configured open style)[2]	6 = NEMA 1 + heater
1 = NEMA 1	7 = NEMA 12 + heater
2 = NEMA 12	8 = NEMA 3R + heater
3 = NEMA 3R	9 = NEMA 4 + heater
4 = NEMA 4	0 = NEMA 4X + heater
5 = NEMA 4X	

Lugs

S = Mechanical lugs (30-1200 Amperes)	C = 2-Bolt Compression (30-260A reference table for size/qty)
M = Mechanical lugs 600 MCM (1600-4000A)	D = 2-Bolt Compression (400-4000A reference table for qty)
L = Mechanical lugs 750 MCM (1600-4000A)	E = 2-Bolt Compression 750 MCM (1600-4000A reference table for qty)
X = No lugs (1600-4000A)	

Extra

X = None

Extra

X = None

**Other Options
(Switches, Surge protection)**

X = None
S = Switch - Test/Auto/inhibit/ Start (keyed)
A= Audible Transfer Alarm
T = SPD Type 1, Load Side
1 = S & A
2 = S & T
3 = A & T
4 = S, A & T

Communications

X = None
R = Modbus RTU
T = Modbus TCP
E = Ethernet/IP
D = DeviceNet
B = Profibus
N = Profinet
A = ABB Ability Ekip Com Hub
1 = Modbus RTU + Modbus TCP
2 = Modbus TCP + Ethernet/IP
3 = Modbus RTU + Ekip Com Hub
4 = Modbus TCP + Ekip com Hub
5 = Ethernet/IP + Ekip Com Hub
6 = DeviceNet + Ekip Com Hub
7 = Profibus + Ekip Com Hub
8 = Profinet + Ekip Com Hub

IO and indication packages

B = Base	F = Flex
P = Plus	M = Motor
C = Controls	

Metering options

T = Embedded power meter
1 = M91 Meter

Ground Bar

1 = (3) #8-1/0 cables	6 = (12) #2-600MCM
2 = (6) #8-1/0 cables	7 = (24) #2-600 MCM
3 = (6) #6-250MCM	8 = (36) #2-600 MCM
4 = (12) #6-250MCM	X = ground bar, lug on cabinet
5 = (8) #2-600MCM	

[1] Ratings available only with closed transition

[2] Available initially only for 1600-3000A

For more information:
https://electrification.us.abb.com/products/automatic-transfer-switches/zts-t-series

ZTGSE/ZTSSE T-series
Overview

Complete your critical power protection with the new Zenith T-series Service Entrance Rated ATS

When power protection is mission critical, you can't leave system compatibility to chance. Thanks to Zenith SE ATS' all-in-one protection, applications from commercial buildings to light industry and infrastructure can defend against unplanned downtime, short circuit, and power loss — all with one reliable, compact unit.

Features
- ZTGSE / ZTSSE T-series rated from 30-1200 A
- True Voltage Agnostic
- Modular All-in-one integrated TruONE Technology ATS
- Field installable plug-and-play accessories
- Enclosed contacts

Benefits
Simpler all-in-one operation
Faster commissioning, less maintenance, and remote energy management make it easy to power smooth operations.
- Modular components - Easier to stock and replace in the field
- Plug-and-play accessories - Assured compatibility whether it's part of a complete ABB system or retrofitted
- Faster servicing - With 95% fewer components than before
- Smart, sustainable energy management - Six advanced communication protocols connect to cloud-based monitoring like ABB Energy Manager

Protect and predict from one point
Even specialist applications can stay up and running for longer, thanks to optional smart features.
- Maximize uptime - Alert facility managers to potential problems with connection to ABB Ability advanced cloud monitoring
- Extremely high fault rating - With 2 levels of AIC ratings for basic and high fault applications up to 65kA @480Vac

- Minimize disruption - Option to operate without HMI enables faster interface replacement
- Enhance safety - Single point of disconnection protects everyone from first responders to service engineers
- Minimize connection faults - Thanks to streamlined, reduced wiring

Bigger savings, smaller footprint
Zenith SE ATS packs a lot into a compact package, enabling more flexibility across critical power protection and larger system design.
- All-in-one cost efficiency - Combines utility source protection, disconnect, and ATS in one multifunctional unit for optimized time, space, and maintenance effort
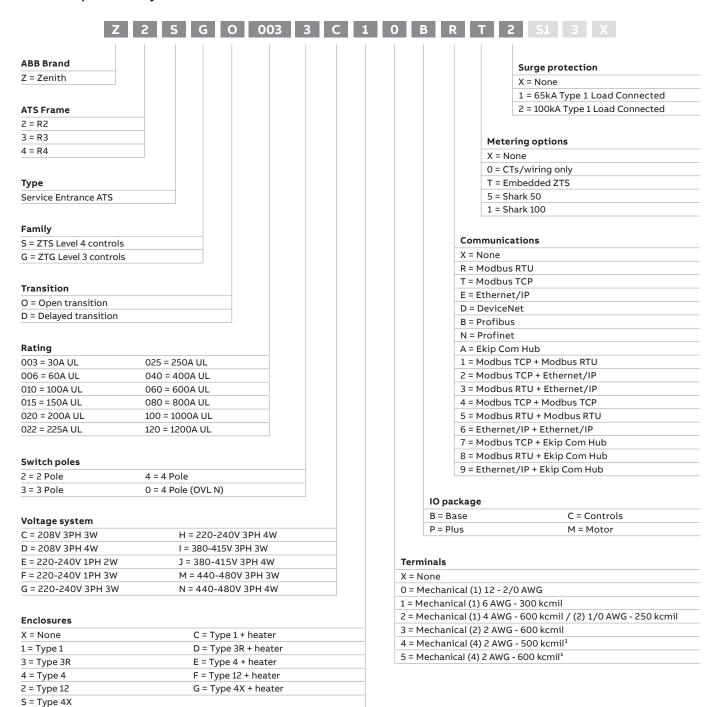- Space-saving footprint - Up to 40% less than other available opt

Applications
- Commercial buildings
- Industrial buildings
- Sports arenas
- Airports
- High-rise buildings
- Education and government
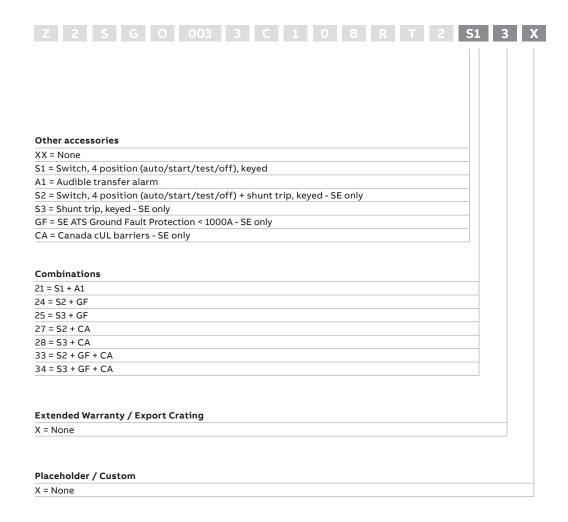- Financial environments

ZTGSE/ZTSSE T-series (30-1200A)
Ordering code construction

30-1200A open and delayed transition available now

Z	2	S	G	O	003	3	C	1	0	B	R	T	2	S1	3	X

ABB Brand
Z = Zenith

ATS Frame
2 = R2
3 = R3
4 = R4

Type
Service Entrance ATS

Family
S = ZTS Level 4 controls
G = ZTG Level 3 controls

Transition
O = Open transition
D = Delayed transition

Rating

003 = 30A UL	025 = 250A UL
006 = 60A UL	040 = 400A UL
010 = 100A UL	060 = 600A UL
015 = 150A UL	080 = 800A UL
020 = 200A UL	100 = 1000A UL
022 = 225A UL	120 = 1200A UL

Switch poles

2 = 2 Pole	4 = 4 Pole
3 = 3 Pole	0 = 4 Pole (OVL N)

Voltage system

C = 208V 3PH 3W	H = 220-240V 3PH 4W
D = 208V 3PH 4W	I = 380-415V 3PH 3W
E = 220-240V 1PH 2W	J = 380-415V 3PH 4W
F = 220-240V 1PH 3W	M = 440-480V 3PH 3W
G = 220-240V 3PH 3W	N = 440-480V 3PH 4W

Enclosures

X = None	C = Type 1 + heater
1 = Type 1	D = Type 3R + heater
3 = Type 3R	E = Type 4 + heater
4 = Type 4	F = Type 12 + heater
2 = Type 12	G = Type 4X + heater
S = Type 4X	

Surge protection
X = None
1 = 65kA Type 1 Load Connected
2 = 100kA Type 1 Load Connected

Metering options
X = None
0 = CTs/wiring only
T = Embedded ZTS
5 = Shark 50
1 = Shark 100

Communications
X = None
R = Modbus RTU
T = Modbus TCP
E = Ethernet/IP
D = DeviceNet
B = Profibus
N = Profinet
A = Ekip Com Hub
1 = Modbus TCP + Modbus RTU
2 = Modbus TCP + Ethernet/IP
3 = Modbus RTU + Ethernet/IP
4 = Modbus TCP + Modbus TCP
5 = Modbus RTU + Modbus RTU
6 = Ethernet/IP + Ethernet/IP
7 = Modbus TCP + Ekip Com Hub
8 = Modbus RTU + Ekip Com Hub
9 = Ethernet/IP + Ekip Com Hub

IO package

B = Base	C = Controls
P = Plus	M = Motor

Terminals
X = None
0 = Mechanical (1) 12 - 2/0 AWG
1 = Mechanical (1) 6 AWG - 300 kcmil
2 = Mechanical (1) 4 AWG - 600 kcmil / (2) 1/0 AWG - 250 kcmil
3 = Mechanical (2) 2 AWG - 600 kcmil
4 = Mechanical (4) 2 AWG - 500 kcmil[1]
5 = Mechanical (4) 2 AWG - 600 kcmil[1]

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ZTGSE/ZTSSE T-series (30-1200A)
Ordering code construction (continued)

| Z | 2 | S | G | O | 003 | 3 | C | 1 | 0 | B | R | T | 2 | S1 | 3 | X |

Other accessories

XX = None
S1 = Switch, 4 position (auto/start/test/off), keyed
A1 = Audible transfer alarm
S2 = Switch, 4 position (auto/start/test/off) + shunt trip, keyed - SE only
S3 = Shunt trip, keyed - SE only
GF = SE ATS Ground Fault Protection < 1000A - SE only
CA = Canada cUL barriers - SE only

Combinations

21 = S1 + A1
24 = S2 + GF
25 = S3 + GF
27 = S2 + CA
28 = S3 + CA
33 = S2 + GF + CA
34 = S3 + GF + CA

Extended Warranty / Export Crating

X = None

Placeholder / Custom

X = None

For more information:
https://electrification.us.abb.com/products/automatic-transfer-switches/zenith-t-series-service-entrance-rated-ats

Notes

SMART MANUFACTURING SOLUTIONS

Accelerating the digital transformation, modernization, reliability, and operational cost reductions in manufacturing through expert services, innovative technology, and comprehensive products.

cbtcompany.com