Continuous Power. Non-Stop Innovation.

Zenith ZTG Series Automatic Transfer Switches

Zenith and ABB have over 150 years combined experience in power switching technologies. Now under ABB, Zenith is bringing you the next generation of automatic transfer switch technology designed to increase system reliability, connect you to more data, and do it all more easily.

Easy to Install and Commission

Start up in minutes, not hours
The new Zenith ZTG series weighs up to 30% less than comparable ATS models but has up to 25% more wire-bending space, making it especially easy for contractors to install.

Once sources are connected, an innovative auto-configure function via the HMI sets electrical system parameters in seconds. Because of breakthrough ABB technology, no additional control wiring or troubleshooting is required on-site. And any programming changes can be done from the HMI with a few keystrokes, making commissioning quick and painless. You can even configure Zenith ZTG on site before installation – using a laptop with Ekip Connect software, even without any external power supply.

Continuous Operation

Minimize unplanned outages
Zenith ATS solutions are tested to last up to 6,000 cycles. Based on 10 transfers per month, that's 50 years of reliable operation! If things ever do go wrong, all critical modules are customer-replaceable to simplify service and significantly reduce downtime and service costs. ZTG Say goodbye to blinking lights and stopping motors.

Advanced Data and Connectivity

Make data-driven decisions
The Zenith ZTG now features cloud-based connectivity through the ABB Ability Electrical Distribution Control System (EDCS). ABB Ability simplifies implementation and use of Zenith transfer switches in coordination with other ABB devices, ensuring one common user interface and one common software environment. Market-leading modular communication with seven protocols ensures easy installation and connectivity now and far into the future.

Part number key

Part number codes

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.

Explanation of the types ZTG Series

Z	G	D	M	3	X	X	1	2	-	C	X	3	X	E	4	X	X
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

1	**Zenith**
	Z
2	**Product Family**
G	ZTG
3	**Transition Type**
O	Open Transition
D	Delayed Transition
4	**Amperage**
A	30 Amps
B	60 Amps
C	100 Amps
D	125 Amps
F	160 Amps
G	200 Amps
J	260 Amps
K	400 Amps
L	600 Amps
M	800 Amps
N	1000 Amps
P	1200 Amps
5	**Phase**
1	1 Phase
3	3 Phase
6	**Neutral**
S	Switched neutral
X	No neutral
B	Solid neutral bar
7	**System voltage (Line to Line)**
X	T1 Panel - Voltage agnostic
8	**Enclosure**
1	Nema 1
2	Nema 12 / 4
3	Nema 3R
4	Nema 4X
5	N3R-4-12 w/ 208V heater/thermo
6	N3R-4-12 w/ 240V heater/thermo
7	N3R-4-12 w/ 480V heater/thermo

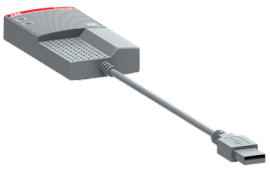
9	**Panel Assembly**
2	Std application, Sources on Bottom
10	**(open)**
-	
11	**Aux Contacts**
X	No Aux Contacts
A	2 NO
B	2 NO and 2 NC
C	4 NO and 4 NC
D	8 NO
E	8 NC
12	**Metering Options**
X	No meter
A	M90 meter (120-240V)
B	M90 meter (480V)
C	M91 meter (120-240V)
D	M91 meter (480V)
13	**Ground Bar**
X	No ground bar, lug on cabinet
1	(3) #8-1/0 cables
2	(6) #8-1/0 cables
3	(6) #6-250MCM
4	(12) #6-250MCM
5	(8) #2-600MCM
14	**Lugs**
X	Mech Standard on ZTG
15/16	**Ekip Modules**
XX	See Table of values on Ekip table (next page)
17	**Open**
X	
18	
X	Standard design

Ekip options

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 +)

Connectivity modules
The connectivity modules are used in combination with OXEA1 auxiliary power supply module to enable communication capabilities (Ekip Com modules) and increase the number of digital inputs and outputs (Ekip Signaling modules). The maximum number of additional modules depends on the Zenith ZTG switch size, and can be configured with the switch via the Ekip options table. The Ekip Com modules enable Zenith ZTG to be integrated in an industrial communication network for remote supervision and control of the switch.The Ekip Signaling modules add two input and two output contacts for controlling and remote signaling. They can be programmed with the HMI unit's display or with Ekip Connect software.

Ekip Programming module
The Ekip Programming module ZEAEKPPGM is a separate accessory used for programming Zenith ZTG via USB to a PC using the Ekip Connect software that can be downloaded online. It enables both online (line power available) and offline (no line power available) programming.



Ekip Com Hub
Zenith ZTG is ABB Ability™ Electrical Distribution Control System (EDCS) compatible using Ekip Com Hub module ZEAEKIPHUB with an internet connection. For further information related to ABB Ability and Electrical Distribution Control System, please visit the dedicated website https://new.abb.com/low-voltage/launches/abb-ability-edcs.

Technical data

Ratings & Features Overview	
Ampere sizes available	UL: 30-1200 A
Rated voltage systems	universal 200-480V
Phase systems	single and three
Rated frequency	50 / 60 Hz
Switching Poles	2, 3, or 4
Transition types	standard, delayed
UL 1008	yes
NFPA 70, 99, 101 and 110	yes
Seismic	IBC-2015, IEEE-693-2005
3 x 2 inch LCD display	yes
Programmable and explandable I/O	yes
Communcations available	yes
Short Circuit WCR, coordinated breaker	50kA up to 600A, 65kA up to 1200A

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1SCC308003K0201 19-09