



BUYLOG SECTION 14

# 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>

## Zenith ZTG series

Continuous power. Non stop innovation.

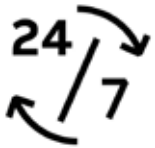


### Easy to Install and Commission

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.

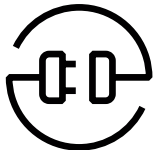
Once sources are connected, an innovative auto-configure function via the HMI sets electrical system parameters in seconds. Because of TruONE™ technology, no additional control wiring or troubleshooting is required on-site. And any programming changes can be done from the HMI with a few keystrokes, making commissioning quick and painless. You can even configure Zenith ZTG on site before installation – using a laptop with Ekip Connect 3 Software, even without any external power supply.



### Continuous Operation

Minimize unplanned outages.

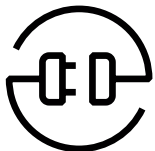
Zenith ATS solutions are tested to last up to 6,000 cycles. Based on 10 transfers per month, that's 50 years of reliable operation! If things ever do go wrong, all critical modules are customer-replaceable to simplify service and significantly reduce downtime and service costs. Say goodbye to blinking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



### Optimum Interface

Frustration-free programming.

The LCD HMI on Zenith is easily navigated, password protected, and allows access to features ranging from programmable set-points, time delays, digital I/O and exercisers to switch status, events, and diagnostics.

In addition, Ekip Connect computer software is an alternative to the HMI that makes programming a cinch whether you're in the office, or on-site. With this tool, you can import, export, or modify ATS settings via the USB port located on the HMI with no need to apply power to the unit.

# Zenith ZTG ordering information

## 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.

	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
<b>1: Zenith</b> Z																		
<b>1: Product Family</b> G = ZTG																		
<b>3: Transition Type</b> O = Open Transition D = Delayed Transition																		
<b>4: Amperage</b> 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																		
<b>5: Phase</b> 1 = 1 Phase 3 = 3 Phase																		
<b>6: Neutral</b> S = Switched neutral X = No neutral B = Solid neutral bar																		
<b>7: System voltage (Line to Line)</b> X = T1 Panel - Voltage agnostic																		
<b>8: Enclosure</b> 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																		
<b>9: Panel Assembly</b> 2 = Std application, Sources on Bottom																		
<b>10: (Open)</b> -																		
<b>11: Aux Contacts</b> 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																		
<b>18: Open</b> X = Standard design																		
<b>17: Open</b> X																		
<b>15/16: Ekip Modules</b> <b>No Ekip adders</b> XX = No additional options <b>No communication</b> XA = Aux Power Module Only X2 = 2 additional I/O X4 = 4 additional I/O X6 = 6 additional I/O <b>1 communication module</b> 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 +)																		
<b>14: Lugs</b> X = Mech Standard on ZTG																		
<b>13: Ground Bar</b> 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																		
<b>12: Metering Options</b> X = No meter A = M90 meter (120-240V) B = M90 meter (480V) C = M91 meter (120-240V) D = M91 meter (480V)																		

Zenith ZTG extended range includes the following which are based upon the Zenith contactor-based ATS and MX150 controller.

Please reference Zenith documents PB-1201 and PB-1301 for technical and ordering information.

- 1600-3000A ratings for full voltage range (120-600Vac)
- 40-1200A ratings for 120Vac and 600Vac
- Service entrance rated from 40-3000A, all voltages (ZTGSE and ZTGDSE)

## Zenith ZTG ordering information

### 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	ZEATHRNT	0.44
Ekip Com DeviceNet	1	ZEDEVICNET	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

Note: Packing materials must be added to weights provided

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## Zenith ZTX series

Continuous power. Non stop innovation.

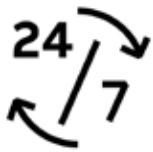


### Easy to Install and Commission

Start up in minutes, not hours.

The new Zenith ZTX 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 TruONE™ 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.



### 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. Say goodbye to losing the lights or closing business due to an unplanned outage.

## Zenith ZTX ordering information

### 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.

	Z	X	O	J	3	X	X	1	2	-	A	X	X	X	X	X	X		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
<b>1: Zenith</b>	Z																		
<b>1: Product Family</b>	X = ZTX																		
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	X = No neutral																		
	B = Solid neutral bar																		
<b>7: System voltage (Line to Line)</b>	X = T1 Panel - Voltage agnostic																		
<b>8: Enclosure</b>	1 = NEMA 1																		
	3 = NEMA 3R																		
<b>10: (Open)</b>	-																		
<b>9: Panel Assembly</b>	2 = Std application, Sources on Bottom																		
<b>11: Aux Contacts</b>	X = No Aux Contacts																		
	A = 2 NO																		
<b>12: Metering Options</b>	X = No meter																		
<b>13: Ground Bar</b>	X = No ground bar, lug on cabinet																		
<b>14: Lugs</b>	X = Mech Standard on ZTG																		
<b>15/16: Ekip Modules</b>	XX = No additional options																		
<b>17: Open</b>	X																		
<b>18: Open</b>	X = Standard design																		

### Loose accessories

#### Zenith ZTX loose accessories order codes

Suitable for switches ZTX 30-1200 A, 200-480 Vac

Type	Qty (pcs)	Order code	Weight (lb)
Ekip Programming Module	1	ZEAEKPPGM	0.44
Normally Open Auxiliary Contact	10	OA1G10	0.07
Normally Closed Auxiliary Contact	10	OA3G01	0.07

Note: Packing materials must be added to weights provided