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CATALOG

## Zenith ZTG series Automatic Transfer Switches

ZTG(D) series ATS, 30-1200 A, 200-480 Vac



- Easy to Install and Commission
- Continuous Operation
- Data and Connectivity

## Technical data

Zenith ZTG series 30-1200 A, 200-480 Vac

### Zenith ZTG series technical data

		Zenith switch size (A)					
Data according to UL1008		30	60	100	125	160	200
Rated operational voltage	Vac	200 - 480					
Operating voltage range	Vac	160 - 576					
Rated frequency	Hz	50-60					
Emergency systems - Motor loads or total system	A	30	60	100	125	160	200
Optional standby systems - Motor loads or total system	A	30	60	100	125	160	200
Short-circuit withstand/closing and short-time current ratings	kA	See table A					
Contact transfer time I-II, II-I	Load interrupting time	ms					
		<50					
Operating transfer time I-II, II-I		ms					
		<500					
ATS current draw during transfer / time duration	A / ms	35 / <110					
Mechanical endurance	No. of operating cycles	6050	6050	6050	6050	6050	6050
Suitable for applications		Transformer - Transformer, Transformer - Generator					

### Zenith ZTG series technical data

		Zenith switch size (A)					
Data according to UL1008		260	400	600	800	1000	1200
Rated operational voltage	Vac	200 - 480					
Operating voltage range	Vac	160 - 576					
Rated frequency	Hz	50-60					
Emergency systems - Motor loads or total system	A	260	400	600	800	1000	1200
Optional standby systems - Motor loads or total system	A	260	400	600	800	1000	1200
Short-circuit withstand/closing and short-time current ratings	kA	See table A					
Contact transfer time I-II, II-I	Load interrupting time	ms					
		<50					
Operating transfer time I-II, II-I		ms					
		<500					
ATS current draw during transfer / time duration	A / ms	35 / <110	40 / <130				
Mechanical endurance	No. of operating cycles	6050	4050	3050	3050	3050	3050
Weight without accessories	2-pole switch	pounds	29.3	37.2	37.2		
	3-pole switch	pounds	33.9	42.1	42.1	68.6	68.6
	4-pole switch	pounds	38.6	47.2	47.2	81.1	81.1
Suitable for applications		Transformer - Transformer, Transformer - Generator <sup>1)</sup>					

<sup>1)</sup> Minimum generator size: 20kVA

### ZTG series Coordinated Breaker Withstand and Close-on Ratings (WCR)

ATS Rating (A)	Max Voltage (V)	Max coordinated breaker WCR (A)	Breaker manufacturers
30 - 200	480	150 000	ABB, GE, Schneider, Eaton, Siemens
260	480	200 000	ABB, GE, Schneider, Eaton, Siemens
400	480	150 000	ABB, GE, Schneider, Eaton, Siemens
600	480	200 000	ABB, GE, Schneider, Eaton, Siemens
800 - 1200	480	100 000	ABB, GE, Schneider, Eaton, Siemens

<sup>1)</sup> For detailed WCR ratings by ATS and breaker type, please refer to document number 1SCC303015C0201, Zenith short circuit ratings

## Technical data

Zenith ZTG series 30-1200 A, 200-480 Vac

### ZTG series Testing and Standards Compliance

Description	Standard
UL, cUL listing	UL 1008
Conducted and radiated emissions	CISPR 11:2009, Class A
ESD immunity test	IEC/EN 61000-4-2 Class B
Radiated RF, electromagnetic field immunity test	IEC/EN 61000-4-3 10 V/m
Electrical fast, transient/burst immunity test	IEC/EN 61000-4-4
Surge immunity test	IEC/EN 61000-4-5 0.5 to 2 kV
Conducted immunity test	IEC/EN 61000-4-6
Voltage dips and interruption immunity	IEC/EN 61000-4-11
Harmonic voltage immunity test	IEC/EN 6100-4-13

### ZTG series AL/CU UL Listed Solderless Screw-Type Terminals for External Power Connections

Model	Amperage	Cables per phase & neutral	Range of wire sizes	
ZTG ZTGD	30-60	1	12 - 2/0 AWG	(3 - 67 mm <sup>2</sup> )
	100-200	1	6 AWG - 300 kcmil	(14 - 152 mm <sup>2</sup> )
	260	1	2 AWG - 600 kcmil	(34 - 304 mm <sup>2</sup> )
	400	1 / 2	1x 4 AWG - 600 kcmil / 2x 1/0 - 250 kcmil	(1x 25 - 304 mm <sup>2</sup> / 2x 55 - 127 mm <sup>2</sup> )
	600	2	2 AWG - 600 kcmil	(34 - 304 mm <sup>2</sup> )
	800-1200	4	2 AWG - 600 kcmil	(34 - 304 mm <sup>2</sup> )

### Auxiliary contacts

#### Technical data for auxiliary contacts according to IEC 60947-5-1, for OA1G\_, OA3G\_

AC15		DC12			DC13	
Ue/[V]	Ie/[A]	Ue/[V]	Ie/[A]	P/[W]	Ie/[A]	P/[W]
230	6	24	10	240	2	50
400	4	72	4	290	0.8	60
415	4	125	2	250	0.55	70
690	2	250	0.55	140	0.27	70
		440	0.1	44		



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