

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0792
HCAI Special Seismic Certification Preapproval (OSP)	
Type: X New Renewal	
Manufacturer Information	
Manufacturer: ABB - Branded for CAT	
Manufacturer's Technical Representative: Dhirendra Tiwari	
Mailing Address: 41 Woodford Ave, Plainville, CT 06062	
Telephone: (860) 747-7935 Email: dhirendra.tiwari@	lus.abb.com
FORCODECO	
Product Information	1D,
Product Name: Emergency and Standby Power Systems	1 miles
Product Type: Automatic Transfer Switches	12
Product Model Number: CX, CG(D), CS(D) ATS	in in
General Description: Transfer switches that provide manual / automatic power source (30A to 1200A).	power switching from a primary source to a backup
Mounting Description: Rigid, Floor/Wall Mounted	
Tested Seismic Enhancements: None DATL: 11/2/1/2025	
Applicant Information	- the second sec
Applicant Company Name: WE Gundy & Associates, Inc	
Contact Person: Travis Soppe	
Mailing Address: PO Box 9121, Boise, ID 83707	
Telephone: (208) 342-5989 Email: tsoppe@wegai.cd	om
Title: President	



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OSP-0792



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California Licensed Structural Engineer Re	sponsible for the Engineering and Test Report(s)
Company Name: W.E. GUNDY & ASOCIATES IN	С.
Name: Travis Soppe	California License Number: S6115
Mailing Address: P.O. Box 9121, Boise, ID 83707	
Telephone: (208) 342-5989	Email: tsoppe@wegai.com
Certification Method	
GR-63-Core X ICC-ES AC156	☐ IEEE 344
Other (Please Specify):	
	ORCODECO
Testing Laboratory	Mp.
Company Name: CLARK TESTING LABORATOR	Y, INC.
Contact Person: Suzanne Mazon	
Mailing Address: 1801 Route 51, Jefferson Hills P	A 75229-3513
Telephone: (972) 247-9657	Email: smazon@clarktesting.com
	ATE: 11/27/2023
RAI	
CALIFORNI	BUILDING



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Seism	ic Parameters			
Design	Basis of Equipment or Components	(Fp/Wp) = 1.5		
S	DS (Design spectral response accel	eration at short period, g) = 2.0		
а	p (Amplification factor) =	2.5		
R	p (Response modification factor) =	6.0		
Ω	0 (System overstrength factor) =	2.0		
lp	(Importance factor) =	1.5		
Z	/h (Height ratio factor) =	1		
N	latural frequencies (Hz) =	See Attachment		
C	overall dimensions and weight =	See Attachment		
HCAI A	Approval (For Office Use Only) -	Approval Expires on 11/27/202	9 72	
Date:	11/27/2023	OSP-0792	G	
Name:	Mohammad Karim		Title:	Supervisor, Health Facilities
Special	Seismic Certification Valid Up to: Seismic Certification Valid Up to:	bs (g) = 2.0	 z/h =	1
Conditio	on of Approval (if applicable):	DATE: 11/27/2023		

ING CODE:



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CATERPILLAR CX, CG(D), CS(D) AUTOMATIC TRANSFER SWITCHES WITH TruONE SPECIAL SEISMIC CERTIFICATION PRODUCT LINE MATRIX



	Ampre	Pole	NEMA Rating ²	Enclosure Dimensions (in)			Service	Representative
ID Number ¹	Rating			Width	Depth	Height	Weight (lbs)	UUT
TABLE 1: WALL MOUNTED ATS PRODUCT LINE - MAX $S_{DS} = 2.5$ at $z/h = 0$ and $S_{DS} = 2.0$ at $z/h = 1.0$								
CGOG3XX32	200	3	3R	24.0	12.3	32.0	96	UUT-1
CX, CG(D), CS(D) Series	30-200	2/3/4	1 / 3R / 4 / 12	24.0	12.0-12.3	32.0	95 - 125	interpolated
CX, CG(D), CS(D) Series	260	2/3/4	1/3R/4/12	24.0	14.0-14.3	46.0	100-140	interpolated
CX, CG(D), CS(D) Series	400	2/3/4	1/3R/4/12	24.0	14.0-14.3	46.0	105-142	interpolated
CGOK3SX12	400	4	1	24.0	14.0	46.0	142	UUT-2
TABLE 2: FLOOR MOUNTED ATS PRODUCT LINE - MAX $S_{DS} = 2.5$ at $z/h = 0$ and $S_{DS} = 2.0$ at $z/h = 1.0$								
CGOL3XX12	600	4	sp_{0}^{1}	28.0	19.5	54.0	252	UUT-3
CX, CG(D), CS(D) Series	600	2/3/4	1/3R/4/12	28.0	<mark>1</mark> 9.5-19.8	54.0	210 - 252	interpolated
CX, CG(D), CS(D) Series	80 <mark>0 - 12</mark> 00	B3/.4	1/3R/4/12	40.0	<mark>1</mark> 9.5-19.8	74.0	435 - 478	interpolated
CGDP3SX32	1200	4	3R	40.0	19.8	74.0	478	UUT-4
Nataa	22220	V. www.canceresee						

Notes:

¹ All components are manufactured by ABB and branded for Caterpillar. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

² Enclosures are constructed of welded carbon steel.

The CX/CG(D)/CS(D) series products are represented with the following ID numbers:

CX - CXOxxxxx

CG(D) - CGOxxxxxx / CGDxxxxxx

CS(D) - CSAOxxxxxx / CSADxxxxxx

⁴ The CX/CG(D)/CS(D) automatic transfer switches (ATS) are of nearly identical construction with minor control differences listed below:

CXO - CX Open transition

CGO - CG Open transition

CGD - CG(D) Delay transition

CSAO - CS Open transition

CSAD - CS(D) Delay transition

CATERPILLAR CX, CG(D), CS(D) AUTOMATIC TRANSFER SWITCHES WITH TruONE SPECIAL SEISMIC CERTIFICATION SUBCOMPONENT MATRIX



Subcomponent	Description		General Dimensions (in)			Weight	Representative	
ID Number ¹	Description	Manufacturer	Width	Depth	Height	(lbs)	UUT	
	l Mountee	d						
OXA200U3X2QB-ZE	200A 3-Pole open transition power panel	ABB	13.0	7.2	15.4	32	UUT-1	
OXx260Uxxxxx-ZE	260A 2/3/4-Pole open/delay transition power panel	ABB	12.8-17.9	7.2-8.4	14.8-20.8	28 - 39	interpolated	
OXx400Uxxxxx-ZE	400A 2/3/4-Pole open/delay transition power panel	ABB	15.1-20.2	7.2-8.4	14.8-20.8	32 - 52	interpolated	
OXA400U3S3QB-ZE	400A 4-Pole open transition power panel	ABB	20.2	7.2	18.9	45	UUT-2	
	Table 4: Automatic Transfer Switch Power Panel Assembly - Floor Mounted							
OBX600U3S3QB-ZE	600A 4-Pole open transition power panel	ABB	17.6	8.4	18.9	45	UUT-3	
OXx600Uxxxxx-ZE	600A 2/3/4-Pole open/delay transition power panel	ABB	<mark>15.1</mark> -20.2	7.2-8.4	14.8-20.8	32 - 52	interpolated	
OXx800-1200Uxxxxx-ZE	800-1200A 3/4-Pole open/delay transition power panel	KariABB	23.5-28.1	7.2-8.4	14.1-20.9	95 - 127	interpolated	
OXA1200U3S3QB-ZE	1200A 4-Pole delay transition power panel	ABB	<mark>2</mark> 8.0	8.4	19.2	127	UUT-4	
	Table 5: Electrical Panel / Controler Components - Wall / Floor Mounted							
OXAMI1-L3	Open transition Level 3 HMI	ABB	4.0	0.8	6.5	2.0	UUT-1, 3	
OXAMI1-L2	Open transition Level 2 HMI	ABB	4.0	0.8	6.5	2.0	interpolated	
OXBMI1-L3	Delay transition Level 3 HML	ABB	4.0	0.8	6.5	2.0	interpolated	
OXBMI1-L4	Delay transition Level 4 HMI	ABB	4.0	0.8	6.5	2.0	inerpolated	
OXAMI1-L4	Open transition Level 4 HMI	ABB	4.0	0.8	6.5	2.0	UUT-2, 4	

Notes:

¹ The "xxxx" designation at the end of the model number provides differences in control software for the power panels.

UUT	-1	UNIT UNDER TEST (UUT) SUMMARY SHEET WEGAI							GAI SSOCIATES, INC. QUAKE ENGINEERING	
Mounting Details: Rigid wall mounted with 4 - 3/8" grade 5 bolts										
BY: Mobamina di karim										
Manufacture	r: Caterpill	lar <mark>(AB</mark>		F· 11/2	7/202	3				
Product Line	CX, CG(D), CS(D) Automa	tic Transfe	r Switch	3333	j/			
Component I	D: CGOG (ZGOG			Test Repo	ort Comp	oonent ID:	OXA200U	3X2QB-ZE)*	
UUT Functio	n: Manual/	Automa	atic power	switching f	rom utili	ty power to	emergency	y power.		
UUT Descrip OXAMI1-L2							-	ZE Power l	Panel,	
Test Location	-					1	: April-Ma	y 2019		
				UUT PRO		2S				
$W_{ai} = 1 + (11)$			Dimensio	ns (inches)			Natural Fequency (Hz)			
Weight (lb)	Widt	h	De	pth	Н	eight	FB	SS	V	
96	24.0)	12	2.3	3	32.0	N/A	N/A	N/A	
			SEISM	IC TEST	PARAM	IETERS				
Building Co	de / Test Ci	riteria	$S_{DS}\left(g\right)$	z / h	IP	$A_{FLX-H}(g)$	$A_{\text{RIG-H}}(g)$	$A_{FLX\text{-}V}\left(g\right)$	$A_{RIG-V}(g)$	
CBC 2022 /	ICC ES A	C156	2.00	1.0	1.5	3.20	2.40			
CDC 2022 /	ICC-ES A	C130	2.50	0.0	1.5			1.67	0.67	
Note: The unit w maintained struc component numl Caterpillar. The 3	tural integrity per not the co	⁷ during a mplete sy	nd after the I	CC-ES AC15 nt identificati	56 Test. *T ion number	he lab report r. The UUT is	identified the manufacture	system using d by ABB and	the internal d branded	

UUT-2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted with 4 - 1/2" grade 5 bolts



UUT-3

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - 1/2" grade 5 bolts



UUT-4

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - 1/2" grade 5 bolts

