

Title: President

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0012
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Eaton	
Manufacturer's Technical Representative: Dallas Bostian	
Mailing Address: 3990 Old Tasso Road NE, Cleveland, TN 37312	
Telephone: (423) 478-0238 Email: dallasjbostian@e	eaton.com
Product Information	
Product Name: HD and Shunt Trip Safety Switches	MA
Product Model Number(s): See attachment	4
Product Category: Power Isolation and Correction Systems	7
Product Sub-Category: Power Isolation and Correction Systems	
General Description: Low Voltage disconnects for use in power distribution	ion systems.
Mounting Description: Wall Mounted Rigid -	
Tested Seismic Enhancements: None DATE: 07/21/2025	
Applicant Information	
Applicant Company Name: WE Gundy & Associates, Inc	K'
Contact Person: Travis Soppe	
Mailing Address: PO Box 9121, Boise, ID 83707	
Telephone: (208) 342-5989 Email: tsoppe@wegai.c	com

HCA

"A healthier California where all receive equitable, affordable, and quality health care"

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: W.E. GUNDY & ASOCIATES INC.
Name: Travis Soppe California License Number: S6115
Mailing Address: P.O. Box 9121, Boise, ID 83707
Telephone: (208) 342-5989
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3 Other (Please Specify):
Cities (Fieldse Openiny).
Testing Laboratory
Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)
Contact Person: Tom Boonarkat
Mailing Address: 7800 Highway 20 West, Huntsville AL 35806
Telephone: (256) 837-4411 Email: Tom.Boonarkat@nts.com
BY: Mohammad Karim DATE: 07/21/2025



STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

Seismic Parameters								
Design Basis of Equipment or Components	s (Fp/Wp) =	See Attac	chments					
SDS (Design spectral response accele	SDS (Design spectral response acceleration at short per		See Attachments					
ap (Amplification factor) =	2.5							
R _P (Response modification factor) =	6.0							
Ω_0 (System overstrength factor) =	2.0							
Ip (Importance factor) =	1.5							
z/h (Height ratio factor) =	1							
Natural frequencies (Hz) =	See Attachment							
Overall dimensions and weight =	See Attachment	ODF						

HCAI Approval (For Office Use Only) - Approval Expires on 07/23/2031									
Date:	7/21/2025	4							
Name:	Mohammad Karim	Title:	Supervisor, Health Facilities						
Special	Seismic Certification Valid Up to: Sps (g) = See above	z/h =	1						
Conditio	n of Approval (if applicable):								







STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

TABLE 1 EATON HD & SHUNT TRIP SAFETY SWITCHES SEISMIC CERTIFICATION PRODUCT LINE MATRIX							EGAI & ASSOCIATES, INC.						
	Current	NEMA	Enclo	sure Dimension	Weight	Representative							
Section Type ¹	(Amps)	Rating ²	Width	Depth	Height	(lbs)	UUT						
	HEAVY DUTY SAFETY SWITCHES												
	SEISMIC CERTIFICATION LIMIT: $S_{DS} = 2.30$ at $z/h = 1.0$ - $Fp = 1.73$												
DHxx1xxK	30	1 / 12 / 3R	8 - 13	5 - 6	14 - 20	16 - 20	extrapolated						
DTxx1xxK	30	1 / 12 / 3R	8 - 13	5 - 6	14 - 20	30 - 50	extrapolated						
DCxxxx1xxM	30	1 / 12 / 3R	8 - 13	5 - 6	14 - 20	16 - 20	extrapolated						
DHxx2xxK	60	1 / 12 / 3R	8 - 13	5 - 6	14 - 20	16 - 20	extrapolated						
DTxx2xxK	60	1 / 12 / 3R	8 - 13	5 - 6	14 - 20	30 - 50	extrapolated						
DCxxxx2xxM	60	1 / 12 / 3R	8 - 13	5 - 6	14 - 20	16 - 20	extrapolated						
DHxx3xxK	100	1 / 12 / 3R	11 - 16	5 - 6	22 - 40	23 - 50	extrapolated						
DTxx3xxK	100	1 / 12 / 3R	11 - 16	5-6	22 - 40	30 - 50	extrapolated						
DCxxxx3xxM	100	1 / 12 / 3R	11-16	5-6)	22 - 40	23 - 50	extrapolated						
DHxxx4xxK	200	1 / 12 / 3R	16 - 24	6 - 7	24 - 56	38 - 100	extrapolated						
DTxx4xxK	200	1 / 12 / 3R	16 - 24	6 - 7	24 - 56	80 - 100	extrapolated						
DT364FRK	200	3R	20.8	6.1	51.8	92	UUT _x -15						
DHxx5xxK	400	1/12/3R	23 - 27 -	0012-9	45 - 78	115 - 230	interpolated						
DTxx5xxK	400	1/12/3R	23 - 27	7 - 9	<mark>45 - 7</mark> 8	140 - 260	interpolated						
DHxx6xxK	600	1 / 12 / 3R	25 - 29	8 - 9	52 - 87	148 - 200	interpolated						
DTxx6xxK	600	1/12/3R	25 - 29	8 - 9	5 <mark>2 - 87</mark>	175 - 300	interpolated						
DHxx7xxK	800	1 / 12 / 3R	26 - 31	8 - 21	56 - 8 9	160 - 220	interpolated						
DTxx7xxK	800	1/12/3R	26 - 31	28-21	<mark>56 - 8</mark> 9	175 - 315	interpolated						
DHxx8xxK	1200	1/12/3R	41 - 44	12 - 21	71 - 81	350 - 400	interpolated						
DTxx8xxK	1200	1 / 12 / 3R	41 - 44	12 - 21	71 - 81	465 - 528	interpolated						
DT368NRK	1200	3R	44.0	20.5	81.0	528	UUT _x -16						
	SEISM		INT TRIP SAI CATION LIMI	- 1/	HES t z/h = 1.0 - Fp	= 1.80							
STSxx1xDxx	30	1 / 12 / 3R	10 - 12	5 - 6	21 - 23	18 - 22	extrapolated						
STSxx2xDxx	60	1 / 12 / 3R	10 - 10	5 - 6	21 - 23	18 - 22	extrapolated						
STSxx3xDxx	100	1 / 12 / 3R	13 - 16	5 - 6	24 - 26	25 - 50	extrapolated						
STS363FD32	100	12	15.0	5.6	25.0	38	UUT _y -13						
STSxx4xDxx	200	1 / 12 / 3R	19 - 22	6 - 7	34 - 36	40 - 110	interpolated						
STSxx5xDxx	400	1 / 12 / 3R	26 - 28	6 - 7	56 - 58	110 - 230	interpolated						
STSxx6xDxx	600	1 / 12 / 3R	27 - 29	7 - 8	62 - 64	170 - 320	interpolated						
STSxx7xDxx	800	1 / 12 / 3R	28 - 30	7 -8	70 -72	170 - 320	interpolated						
STSxx8xDxx	1200	1 / 12 / 3R	46 - 48	12 - 13	72 -74	390 - 420	interpolated						
STS368ND32	1200	12 / 3R	47.3	12.5	74.9	418	UUT _y -12						

General Notes:

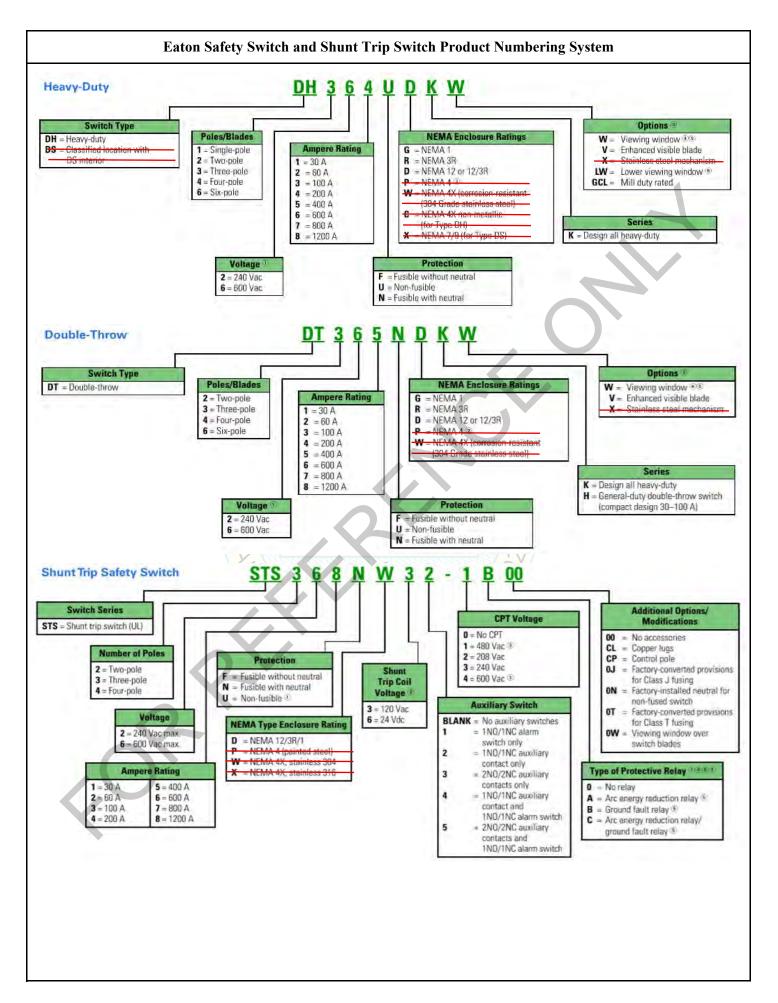
07/21/2025 OSP-0012 Page 4 of 9

¹ The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each subcomponent with the tested units.

² NEMA 1 / 12 / 3R enclosures are constructed of carbon steel and identical in design with the 3R including a top rain shield / gasket material and the 12 including gasket material. Dimensions listed do not include the handle operator.

³ Subscript indicates the test report in which the units were qualified:

x - 70282R12-1 / y - PR154605-TR-22



 $UUT_{x}-15$

UNIT UNDER TEST (UUT) SUMMARY SHEET



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



Manufacturer: Eaton Test Location: Wyle Lab, Huntsville AL

Product Line: Heavy Duty Safety Switches Test Date: June 2012

Component: DT364FRK Report Number: 70282R12-1

UUT Function: Opening and closing of electrical circuits

UUT Description: NEMA 3R carbon steel enclosure with 200A internal operating mechanism

UUT PROPERTIES

Waight (1h)	Di	imensions (inch	es)	Nati	ural Frequency	(Hz)
Weight (lb)	Width	*Depth	Height	FB	SS	V
92	20.75	11.25 / 6.1	51.75	NA	NA	NA

*The larger depth dimension as listed in the test report includes the handle, the smaller dimension is of the enclosure only.

SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S _{DS} (g)	z / h	I_P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022 / ICC-ES AC156	3.10	1.0	1.5	4.96	3.72	2.08	0.84

 UUT_x-16

UNIT UNDER TEST (UUT) SUMMARY SHEET



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



Manufacturer: Eaton Test Location: Wyle Lab, Huntsville AL

Product Line: Heavy Duty Safety Switches Test Date: June 2012

Component: DT368NRK Report Number: 70282R12-1

UUT Function: Opening and closing of electrical circuits

UUT Description: NEMA 3R carbon steel enclosure with 1200A internal operating mechanism

UUT PROPERTIES

Waight (1h)	Di	imensions (inch	es)	Nati	ıral Frequency	(Hz)
Weight (lb)	Width	*Depth	Height	FB	SS	V
528	44.0	25.5 / 20.5	81.0	NA	NA	NA

*The larger depth dimension as listed in the test report includes the handle, the smaller dimension is of the enclosure only.

SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S _{DS} (g)	z / h	I_P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.30	1.0	1.5	3.68	2.76	1.54	0.62

 $UUT_{y}-12$

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted with (6) 1/2" grade 5 bolts



Manufacturer: Eaton Test Location: Wyle Lab, Huntsville AL

Product Line: Shunt Trip Safety Switches Test Date: February 2022

Component: STS368ND32 Report Number: PR154605-TR-22

UUT Function: Opening and closing of electrical circuits

UUT Description: NEMA 12/3R carbon steel enclosure with 1200A internal operating mechanism

UUT PROPERTIES

Waight (1h)	Di	mensions (inch	es)	Natı	ural Frequency	(Hz)
Weight (lb)	Width	*Depth	Height	FB	SS	V
418	47.3	23.3 / 12.5	74.9	NA	NA	NA

*The larger depth dimension as listed in the test report includes the handle, the smaller dimension is of the enclosure only.

SEISMIC TEST PARAMETERS

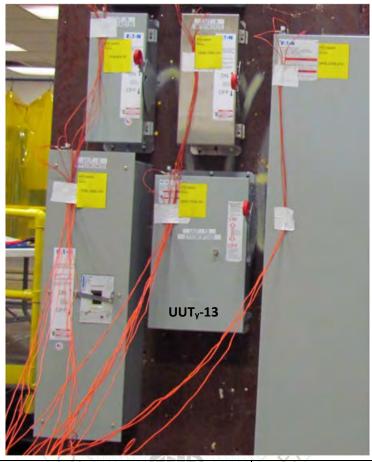
Building Code / Test Criteria	S _{DS} (g)	z / h	I_P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.40	1.0	1.5	3.84	2.88	1.61	0.65

 $UUT_{y}-13$

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted with (6) 1/4" grade 5 bolts



Manufacturer: Eaton Test Location: Wyle Lab, Huntsville AL

Product Line: Shunt Trip Safety Switches Test Date: February 2022

Component: STS363FD32 Report Number: PR154605-TR-22

UUT Function: Opening and closing of electrical circuits

UUT Description: NEMA 12 carbon steel enclosure with 100A internal operating mechanism

UUT PROPERTIES

Waight (1h)	Di	mensions (inch	es)	Nati	ural Frequency	(Hz)
Weight (lb)	Width	*Depth	Height	FB	SS	V
38	15.0	11.5 / 5.6	25.0	NA	NA	NA

*The larger depth dimension as listed in the test report includes the handle, the smaller dimension is of the enclosure only.

SEISMIC TEST PARAMETERS

Building Code / Test Criteria	$S_{DS}(g)$	z / h	I_P	A _{FLX-H} (g)	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CBC 2022 / ICC-ES AC156	2.40	1.0	1.5	3.84	2.88	1.61	0.65