



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0047

HCAI Special Seismic Certification Preapproval (OSP)

Type:  New  Renewal

Manufacturer Information

Manufacturer: Square D by Schneider Electric

Manufacturer's Technical Representative: Scott Littler

Mailing Address: 6700 Tower Circle, Suite 700, Franklin, TN 37067

Telephone: (615) 267-9407

Email: scott.littler@se.com

Product Information

Product Name: Panelboards

Product Type: Panelboards

Product Model Number: Fusible and Non-Fusible Enclosed Safety Switches from 30A to 1200A Ampacity Ratings. Model Numbers Vary (see attachment)

General Description: Fusible and Non-Fusible Enclosed Safety Switches packaged in carbon or stainless-steel sheet metal framed enclosures (NEMA Type 1, 3, 3R, 4, 4X, 5, and 12).

Mounting Description: Rigid, Wall Mounted

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: Pre Compliance

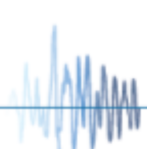
Contact Person: Galen Reid

Mailing Address: 36 Southwest Wall Street, Bend, OR 97702-3425

Telephone: (541) 241-2310

Email: galen@go-pre.com

Title: Principal





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

Company Name: PRE COMPLIANCE  
Name: Andrew Coughlin California License Number: S6082  
Mailing Address: 36 SW Wall Street, Bend, OR 97702  
Telephone: (415) 635-8461 Email: Andy@go-pre.com

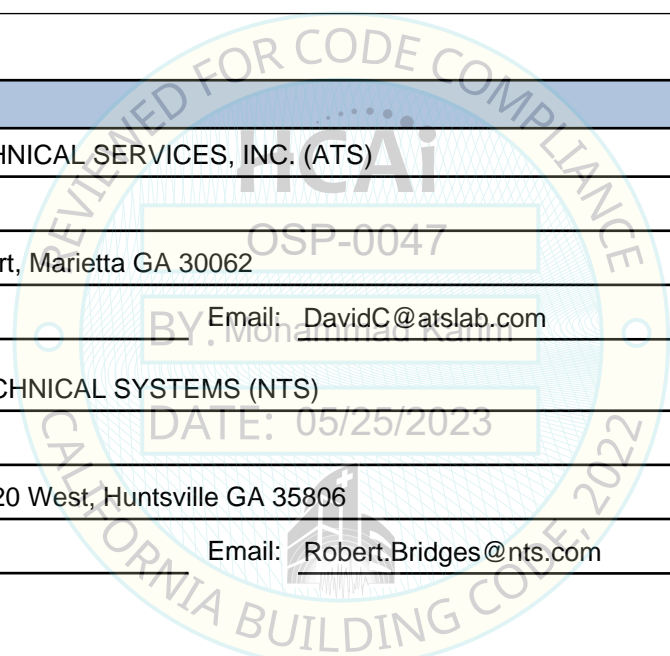
**Certification Method**

GR-63-Core       ICC-ES AC156       IEEE 344       IEEE 693       NEBS 3  
 Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: APPLIED TECHNICAL SERVICES, INC. (ATS)  
Contact Person: David Common  
Mailing Address: 1049 Triad Court, Marietta GA 30062  
Telephone: (888) 287-5227 Email: DavidC@atslab.com

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)  
Contact Person: Robert Bridges  
Mailing Address: 7800 Highway 20 West, Huntsville GA 35806  
Telephone: (256) 837-4411 Email: Robert.Bridges@nts.com





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
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**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.79 (z/h=1.0), 1.30 (z/h=0.0)

SDS (Design spectral response acceleration at short period, g) = 2.38 (z/h=1.0), 2.89 (z/h=0.0)

$a_p$  (Amplification factor) = 2.5

$R_p$  (Response modification factor) = 6.0

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

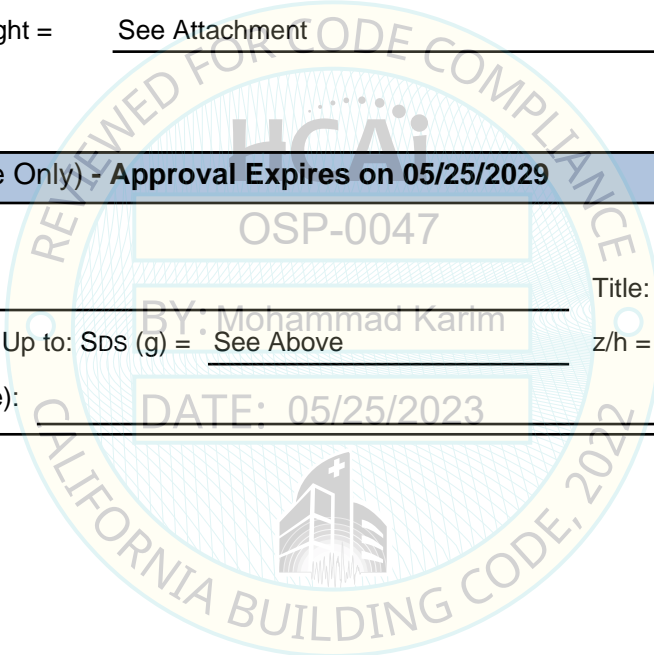
**HCAI Approval (For Office Use Only) - Approval Expires on 05/25/2029**

Date: 5/25/2023

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 05/25/2023



**Manufacturer:** Square D by Schneider Electric  
**Product Type:** Enclosed Safety Switches  
**Model Line:** Fusible and Non-Fusible

**Seismic Parameters**

$S_{DS} = 2.38g$  for  $z/h=1$   
 $S_{DS} = 2.89g$  for  $z/h=0$        $I_p = 1.5$

**Building Codes**

**CBC 2022**

## TABLE 1

Mounting Configuration: Wall Mounted - Rigid

**Construction Summary**

Enclosures constructed of carbon steel (CS) or stainless steel (SS) as noted in Table.

**Options Summary**

Fusible or Non-Fusible.  
 "V" prefix indicates viewing window option.

Model Line	Model	Ampacity (Amps)	Max. Dimensions (in)			Wt. (lb)	Material	NEMA type	UUT			
			D	W	H							
Light Duty	L**1*	30	6.13	5	7.63	3	CS	1	Interp.			
	L111N		6.13	5	7.63	3	CS	1	17			
General Duty	DU**1***	30	3.63	6.75	9.25	5	CS	1	Interp.			
	D**1***		3.75	7.25	9.63	5	CS	3R	Interp.			
	DU**2***	60	3.63	6.75	9.25	5	CS	1	Interp.			
			3.75	7.25	9.63	5	CS	3R	Interp.			
			4.87	6.5	14.63	9	CS	1	Interp.			
	DU**3***	100	4.87	6.63	14.88	10	CS	3R	Interp.			
			6.5	8.5	17.5	17	CS	1, 3R	Interp.			
	DU**4***	200	8.25	17.25	29	55.5	CS	1	Interp.			
			8.25	17.25	29.25	56.5	CS	3R	Interp.			
	DU**5***	400	8.88	21.38	30.63	100	CS	3R	Interp.			
			10.13	24	45.12	115	CS	1	Interp.			
	DU**6***	600	8.88	24	49.13	112	CS	1	Interp.			
			8.88	24.75	49.13	117	CS	3R	Interp.			
	DU**7***	800	8.88	24	49.13	131	CS	1	Interp.			
8.88			24.75	49.13	133	CS	3R	Interp.				
Heavy Duty	H361	30	4.88	6.5	14.6	9	CS	1	1			
	HU**1***		4.88	6.5	14.6	9	CS	1	Interp.			
	H**1***		4.96	6.63	14.6	11	CS	12	Interp.			
	VHU**1***		4.88	6.63	14.88	9	CS	3R	Interp.			
	VH**1***		5.11	7.22	14.93	14	SS	4,4X,5,3,3R	Interp.			
	H361DS		5.11	7.22	14.93	14	SS	4,4X	2			
	HU**1***		H**1***	VHU**1***	VH**1***	5.11	7.22	14.93	14	SS	4,4X,5,3,3R	Interp.
						7	9	16.5	18	CS	12	Interp.
						6.38	9	17.5	16	CS	1	Interp.
						6.81	9	18.19	23	CS	1	Interp.
						6.8	14.75	20.5	31	CS	12	Interp.
6.85		14.75				20.5	30	CS	1	Interp.		



# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231324-01-R0

**Manufacturer:** Square D by Schneider Electric  
**Product Type:** Enclosed Safety Switches  
**Model Line:** Fusible and Non-Fusible

### Seismic Parameters

$S_{DS} = 2.38g$  for  $z/h=1$   
 $S_{DS} = 2.89g$  for  $z/h=0$        $I_p = 1.5$

### Building Codes

**CBC 2022**

## TABLE 1

Mounting Configuration: Wall Mounted - Rigid

### Construction Summary

Enclosures constructed of carbon steel (CS) or stainless steel (SS) as noted in Table.

### Options Summary

Fusible or Non-Fusible.  
 "V" prefix indicates viewing window option.

Model Line	Model	Ampacity (Amps)	Max. Dimensions (in)			Wt. (lb)	Material	NEMA type	UUT		
			D	W	H						
Heavy Duty	HU**2*** H**2*** VHU**2*** VH**2***	60	4.88	6.5	14.6	9	CS	1	Interp.		
			4.96	6.63	14.6	12	CS	12	Interp.		
			4.88	6.63	14.88	10	CS	3R	Interp.		
			5.11	7.22	14.93	14	SS	4,4X,5,3,3R	Interp.		
			7	9	16.5	18	CS	12	Interp.		
			7	9	16.75	23	CS	1	Interp.		
			6.38	9	17.5	16	CS	1,3R	Interp.		
			6.81	9	18.19	23	CS	1	Interp.		
			6.8	14.75	20.5	30	CS	12	Interp.		
			6.85	14.75	20.5	30	CS	1	Interp.		
			6.8	16.13	21.25	27	CS	12	Interp.		
			7	9	20.5	21	CS	12	Interp.		
			HU**3*** H**3*** VHU**3*** VH**3***	100	6.8	14.75	20.5	30	CS	12	Interp.
					6.85	14.75	20.5	30	CS	1	Interp.
	6.38	8.5			21.25	18	CS	1,3R	Interp.		
	6.81	9			21.85	31	CS	1	Interp.		
	8.25	17.13			29	54	CS	1	Interp.		
	HU**4*** H**4*** VHU**4*** VH**4***	200	8.75	17.25	29	55	CS	12	Interp.		
			8.75	23.25	29	77	CS	1,12	Interp.		
			8.5	17.25	29.25	56.5	CS	3R	Interp.		
			10.13	26.25	46.25	170	CS	12	Interp.		
	HU**5*** H**5*** VHU**5*** VH**5***	400	10.13	32.5	46.25	185	CS	12	Interp.		
			10.13	27.63	50.25	200	CS	1	Interp.		
			10.13	27.88	50.25	173	CS	1	Interp.		
			10.13	33.88	50.25	210	CS	1	Interp.		
			9.53	27.76	50.31	201	CS	3R	Interp.		
			10.13	26.25	46.25	170	CS	12	Interp.		
	HU**6*** H**6*** VHU**6*** VH**6***	600	10.13	27.63	50.25	200	CS	1	Interp.		
			10.13	33.88	50.25	230	CS	1	15		
			H466	10.13	33.88	50.25	230	CS	1	15	

**Manufacturer:** Square D by Schneider Electric  
**Product Type:** Enclosed Safety Switches  
**Model Line:** Fusible and Non-Fusible

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 $S_{DS} = 2.89g$  for  $z/h=0$        $I_p = 1.5$

**Building Codes**  
**CBC 2022**

## TABLE 1      Mounting Configuration: Wall Mounted - Rigid

### Construction Summary

Enclosures constructed of carbon steel (CS) or stainless steel (SS) as noted in Table.

### Options Summary

Fusible or Non-Fusible.  
 "V" prefix indicates viewing window option.

Model Line	Model	Ampacity (Amps)	Max. Dimensions (in)			Wt. (lb)	Material	NEMA type	UUT
			D	W	H				
Heavy Duty	HU**6*** H**6*** VHU**6*** VH**6***	600	10.13	33.88	50.25	230	CS	1	Interp.
	9.53		27.76	50.31	201	CS	3R	Interp.	
	HU**7*** H**7*** VHU**7*** VH**7***	800	17.75	36.62	69.13	360	CS	1,3R,12	Interp.
	H368AWK		17.75	36.62	69.13	360	CS	12	16
	HU**8*** H**8*** VHU**8*** VH**8***	1200	17.75	36.62	69.13	360	CS	1,3R,12	Interp.
	DTU**1*** DT**1***		30	6.93	10.25	29.94	57	CS	1
	6.93	10.25		30.5	40.5	CS	3R	Interp.	
	6.6	10.25		38	46.5	CS	3R	Interp.	
	6.75	10.25		38	45	CS	1	Interp.	
	Double Throw <sup>1</sup>	DTU**2*** DT**2***	60	6.93	10.25	29.94	57	CS	1,12
7.12				15.5	30.26	60	CS	12	Interp.
6.93				10.25	30.5	40.5	CS	3R	Interp.
6.6				10.25	38	46.5	CS	3R	Interp.
DTU**3*** DT**3***		100	6.75	10.25	38	45	CS	1	Interp.
			6.93	10.25	29.94	45	CS	1,12	Interp.
			7.12	15.5	30.26	60	CS	12	Interp.
			6.93	10.25	30.5	40.5	CS	3R	Interp.
DTU**4*** 82**4** H82**4		200	6.6	6.87	38	47	CS	3R	Interp.
			6.75	9.88	38	45	CS	1	Interp.
			9.75	15.75	30.88	51	CS	1	Interp.
			11.75	20	30.88	60	CS	1	Interp.
			10.63	20.63	32.5	75	CS	3R	Interp.
			10.63	24.5	32.5	78	CS	1,3R	Interp.
			10.63	30.21	32.5	128	CS	1	Interp.
			10.63	29.62	38	108	CS	1,3R	Interp.

<sup>1</sup> Double throw are similar in construction to heavy duty switches but are used for a different application.





# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

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**Seismic Parameters**  
 $S_{DS} = 2.38g$  for  $z/h=1$   
 $S_{DS} = 2.89g$  for  $z/h=0$   
 $I_p = 1.5$

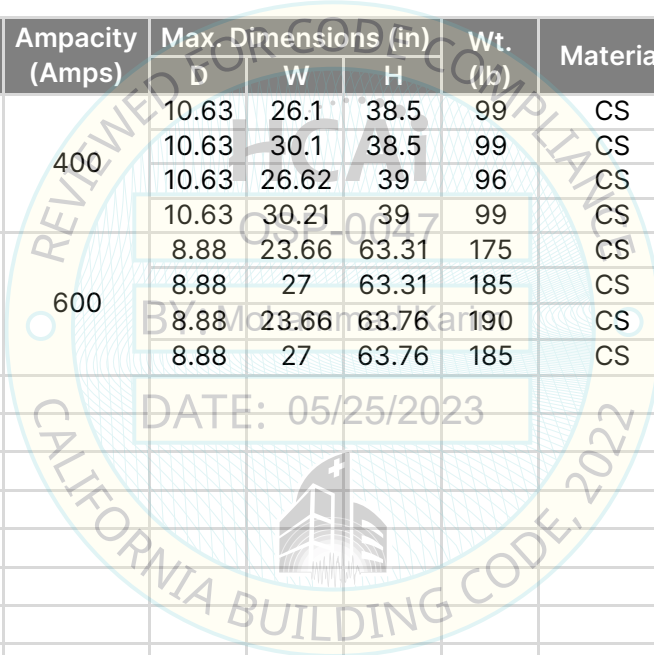
**Building Codes**  
**CBC 2022**

## TABLE 1 Mounting Configuration: Wall Mounted - Rigid

**Construction Summary**  
 Enclosures constructed of carbon steel (CS) or stainless steel (SS) as noted in Table.

**Options Summary**  
 Fusible or Non-Fusible.  
 "V" prefix indicates viewing window option.

Model Line	Model	Ampacity (Amps)	Max. Dimensions (in)			Wt. (lb)	Material	NEMA type	UUT
			D	W	H				
Double Throw <sup>1</sup>	82**5** H82**5	400	10.63	26.1	38.5	99	CS	1	Interp.
			10.63	30.1	38.5	99	CS	1	Interp.
			10.63	26.62	39	96	CS	1,3R	Interp.
			10.63	30.21	39	99	CS	1,3R	Interp.
	DTU**6***	600	8.88	23.66	63.31	175	CS	1	Interp.
			8.88	27	63.31	185	CS	1	Interp.
			8.88	23.66	63.76	190	CS	3R,12	Interp.
			8.88	27	63.76	185	CS	3R	Interp.



<sup>1</sup> Double throw are similar in construction to heavy duty switches but are used for a different application.



# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231324-01-R0

**Manufacturer:** Square D by Schneider Electric  
**Product Type:** Enclosed Safety Switches  
**Model Line:** Fusible and Non-Fusible

## TABLE 1.1

## Model Line Numbering

### Commercial Reference Numbering System

Catalog Number	VH	3	6	3	2	N	AWK	GL	EI	SPLO	VW
Type of Switch	VH - VisiPacT Heavy Duty Single Throw Fused VHU - VisiPacT Heavy Duty Single Throw Non-Fused H - Heavy Duty Single Throw Fused HU - Heavy Duty Single Throw Non-Fused D - General Duty Single Throw Fused DU - General Duty Single Throw Non-Fused DT - Double Throw Safety Switch Fused DTU - Double Throw Safety Switch Non-Fused L - Light Duty Single Throw Fused										
Blades – Switched Poles	2 Two-poles 3 Three-poles 4 Four-poles 6 Six-poles										
Voltage Rating	1 120Vac 2 - 240Vac / 250Vdc 6 - 600Vac / 600Vdc										
Ampere Rating	1 30 A 2 60 A 3 100 A 4 200 A 5 400 A 6 600 A 7 800 A 8 1200 A										
Large Enclosure	Optional Character Blank - in normal enclosure 2 - 30 in 60 3 - 30/60 in 100										
Neutral	Optional Character Blank - No Neutral N Factory installed B Factory Bonded										
Enclosure	No suffix Type 1 AWK Type 12 (without Knock Outs) R Type 3R RB - Type 3R with Hub Connector hole DS NEMA Type 4, 4X, and 5 (NEMA Type 304 stainless Steel) SS NEMA Type 4, 4X, and 5 (NEMA Type 316 stainless Steel) DF NEMA Type 4X Fiberglass Reinforced Polyester DX NEMA Type 4X Krydon™ Fiberglass Reinforced Polyester										
Ground	No Suffix - obtain via Field Kit GL - Factory installed										
Factory Modifications	- Available on Type 12 (AWK) and Type 4X - 304SS (DS) EI Electrical Interlock 1 NO / 1 NC EI2 Electrical Interlock 2 NO / 2 NC LI Voltage Indicators Line Side SI Voltage Indicators Load Side LI2 Voltage Indicators Line & Load Side J1 Voltage Indicators Line Side J2 Voltage Indicators Line & Load Side KI Key interlocks KI2 Key Interlocks SPLO Lock-on provision VW - add Viewing Window (400, 600, 800, 1200 AMP) WW - remove Viewing Window (30, 60, 100, 200 AMP)										

Catalog Number	82	3	5	4
H Type 12 (without Knock Outs) - BLANK if not Type 12				
Type of Switch	82 - Double Throw Series E 92 - Double Throw Series T4			
Blades – Switched Poles	2 Two-poles 3 Three-poles 4 Four-poles			
Fuse/NonFused	4 - Non-Fused 5 - Fused			
Amp Rating	1 - 30 AMP 4 - 200 AMP			
Enclosure	No suffix Type 1 R Type 3R DS NEMA Type 4, 4X, and 5 (NEMA Type 304 stainless Steel)			



























