

It's what's on the inside that counts

Reliable, cost-effective surge protection



External window provides clear path to view the enhanced visible blade switching base



External window to enable viewing of LEDs on SPD for quick status indication



Eaton's Switching Device product line includes heavy-duty safety switches with integrated surge protective devices (SPD)—Eaton's own SP1 and CVX series. Integral to the switch, an SPD provides significantly better performance compared to a device that is externally mounted, resulting in better protection for your connected equipment.

Traditionally, contractors and end-users were faced with challenges when connecting an SPD to a safety switch—mainly concerning additional lug openings on the switch. The SPD leads were often terminated in the same opening as a power conductor, thus voiding the switch's UL® listing. Eaton's new packaged solution solves this problem by making the connection at the factory, resulting in a completely wired, UL-listed solution.

This line of heavy-duty switches with integrated surge protection is applicable in light commercial, commercial and industrial markets—providing superior protection at the service entrance and/or branch circuit level.

Note: For specific information on Eaton's SP1 and CVX surge protective devices, refer to product aids PA01005006E and PA01005002E.

Features

UL certifications:

- UL 98, file no. E5239
- UL 1449 4th Edition, file no. E316410



Integral SPD wired to load side of switch, and can be isolated from line-side power should the SPD require replacing

Eaton Type SP1 and CVX surge devices available ①

- ① Type SP1 devices have peak surge currents of 50 kA per phase. Type CVX devices have peak surge currents of 50 kA (CVX050) and 100 kA (CVX100).



NEMA® Type 12/3R and 4/4X enclosures available

Enhanced visible blade components provide increased visibility over each pole, allowing users to clearly see the trailing edge of the blade

Integrated SPD available in heavy-duty safety switches ranging from 30 A to 1200 A

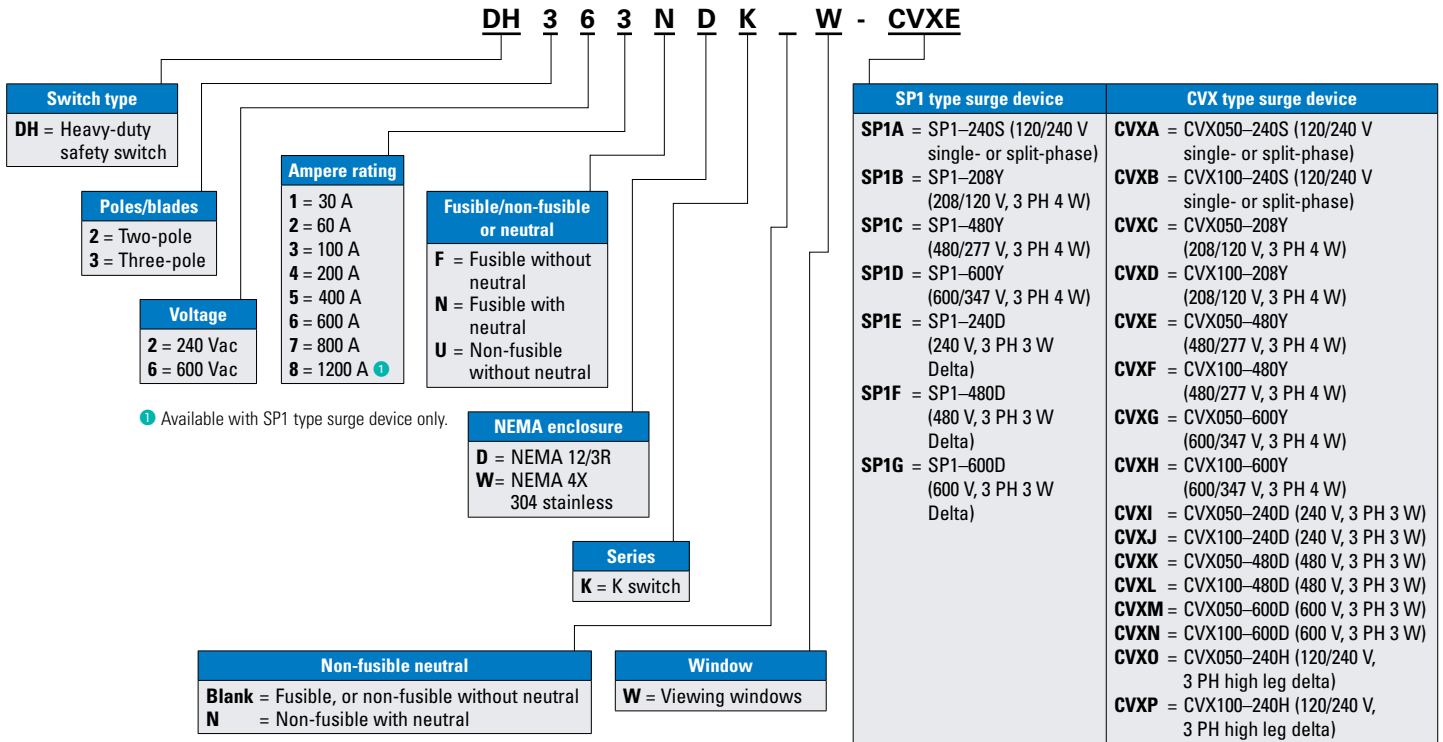
Modifications

As with all Eaton safety switches, modifications are available such as custom paint, 316-stainless enclosures, cover control and more. Call the Flex Center at **1-888-329-9272** for more information.

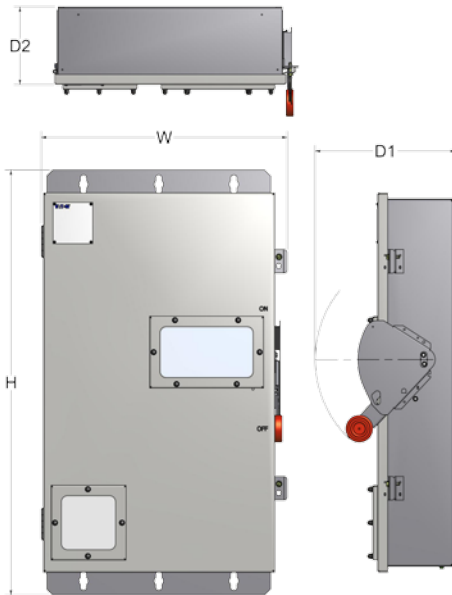


Powering Business Worldwide

Catalog numbering system



Technical specifications



Dimensions in inches (mm)

Ampere rating	Height (H)	Width (W)	Depth (D1)	Depth (D2)
30	25.02 (635.5)	15.00 (381.0)	10.31 (261.9)	5.62 (142.7)
60	25.02 (635.5)	15.00 (381.0)	10.31 (261.9)	5.62 (142.7)
100	25.02 (635.5)	15.00 (381.0)	10.31 (261.9)	5.62 (142.7)
200	35.37 (898.4)	20.44 (519.2)	11.66 (296.2)	6.48 (164.6)
400	57.47 (1459.7)	23.30 (591.8)	12.45 (316.2)	7.36 (186.9)
600	62.97 (1599.4)	24.30 (617.2)	14.08 (357.6)	8.98 (228.1)
800	71.72 (1821.7)	25.55 (649.0)	14.08 (357.6)	8.98 (228.1)
1200	73.77 (1873.8)	43.12 (1095.0)	19.20 (487.7)	12.46 (316.5)

Standard lug capacities

Ampere rating	Minimum wire size	Maximum wire size	Wire type
30 A	#14	#2	Cu/Al
60 A	#14	#2	Cu/Al
100 A	#14	#1/0	Cu/Al
200 A	#6	#300 kcmil	Cu/Al
400 A	(2) #1/0 (1) #1/0	(2) 300 kcmil (1) 750 kcmil	Cu/Al or Cu/Al
600 A	(1) #2 (1) #1/0	(1) 600 kcmil (1) 750 kcmil	Cu/Al and Cu/Al
800 A	(4) #1/0	(4) 750 kcmil	Cu/Al
1200 A	(4) #1/0	(4) 750 kcmil	Cu/Al

Learn more at Eaton.com/surgeswitches

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2016 Eaton
All Rights Reserved
Printed in USA
Publication No. PA008017EN / Z18451
July 2016

EATON
Powering Business Worldwide

Eaton is a registered trademark.
All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

