



Cutler-Hammer

Halyester™ Switch

Product Focus



Product Description

Eaton's new Halyester enclosed safety switch provides customers with a strong, yet lightweight heavy-duty, corrosion-resistant, NEMA® 4X switch that withstands salt environments and general outdoor conditions better than standard 304-grade stainless steel at a more competitive price point than other non-metallic enclosures.

Halyester is the trade name for Eaton's fiberglass-reinforced polyester enclosures that have been employed throughout Europe and Asia, in extremely harsh environmental conditions, for over 30 years.

Halyester has proven its reliability from the cold northern coasts of Scandinavia to the hot, tropical areas of the Middle and Far East, and Africa.

Halyester is used as the basic construction material because of its excellent mechanical and electrical properties and corrosion-free characteristics. This guarantees a maintenance-free and reliable operation for many years. After its useful lifetime, Halyester can be fully recycled. The polyester used is thermo setting, which means that mechanical and electrical properties are maintained also under higher temperatures.

By employing a polycarbonate door, the Halyester Safety Switch provides an industry-exclusive clear cover option. This feature provides safety from potential arc flashes by allowing users to visibly check both the contact position and blown fuse indication without opening the door.

Also, with the use of the clear cover option, all product labels are moved to the inside of the door, making the Halyester switch ideal for food processing areas where there are concerns of contaminants entering the food. There is nothing on the exterior of the switch that could possibly contaminate food batches.

The Halyester enclosure is wrapped around Eaton's industry-leading K-Switch mechanism. With all of the design benefits of the standard Cutler-Hammer® switch including the visible double-break, quick-make, quick-break rotary blade mechanism with two contact points per pole.

Standard Features

- NEMA 4X non-metallic enclosure.
- Padlockable enclosure.
- Handle padlockable in the OFF position.
- Six-point door hold-down for superior fluid ingress prevention.
- Six-point mounting with concealed hardware.
- Continuous Polyurethane seal.

- Interlocking mechanism with defeater.
- Horsepower rated.

Optional Features

- Clear cover.
- EnviroLine stainless steel mechanism.

Standards and Ratings

- UL® 98 Standard for enclosed deadfront switches.
- UL 50 Standard for enclosures for electrical equipment.
- NEMA KS-1.
- 600 Vac maximum.
- 30 – 200 ampere, 3-pole.



Halyester switch can be padlocked in the OFF position by extending handle hasp.



Halyester switch features a continuous, molded-in place Neoprene gasket.



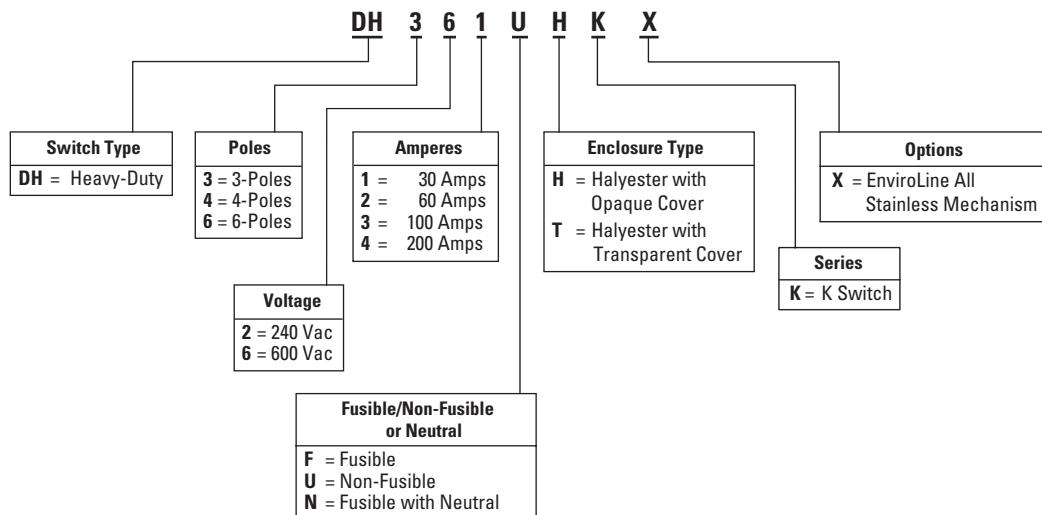
Enclosure door is padlockable with included padlock tab.



Enclosure features 6-point mounting holes and 6-point door latch system.



HALYESTER SWITCH CATALOG NUMBERING SYSTEM

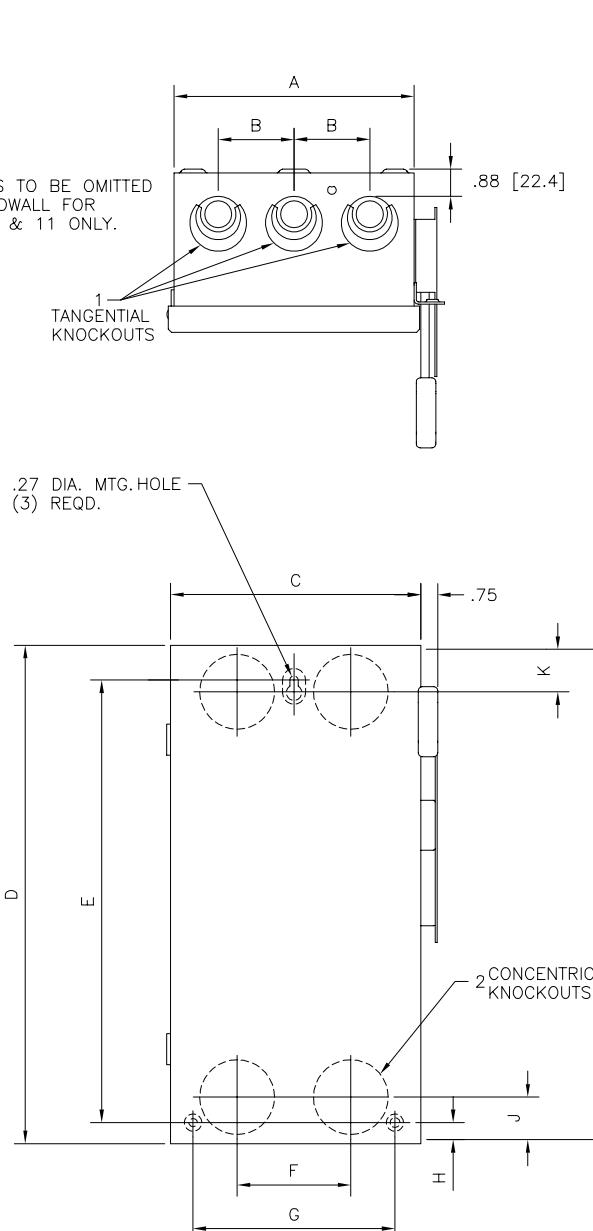


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www.EatonElectrical.com

Halyester is a trademark of Eaton Corporation.
Cutler-Hammer is a federally registered trademark of Eaton Corporation. NEMA is the registered trademark and service mark of the National Electrical Manufacturers Association. UL is a federally registered trademark of Underwriters Laboratories Inc.

REVISION	1
REDRAWN	A1
CH	SS884010L
UAF	10/13/98
ADDED "OMIT FOR	
FIG. 1-1	B1
WS	DS05889
RP	5/17/02

DIMCFM
REV. 5/15/9



KNOCKOUTS TO BE OMITTED
IN TOP ENDWALL FOR
FIG. NO. 8 & 11 ONLY.

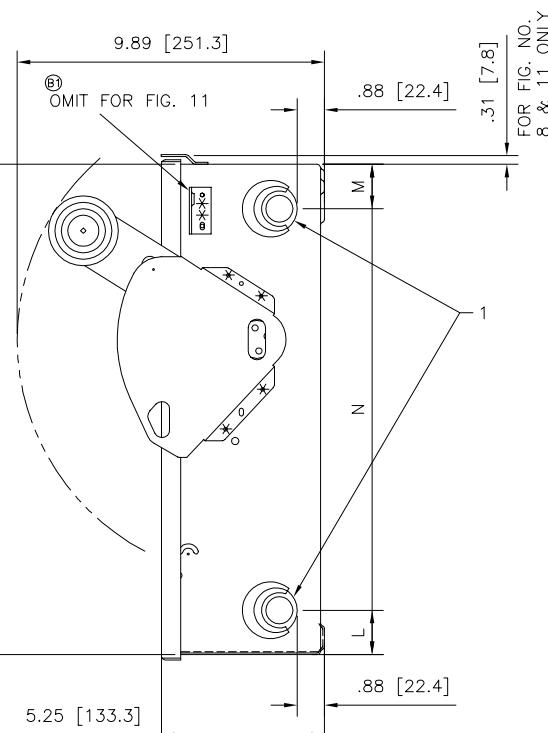
TANGENTIAL KNOCKOUTS

.27 DIA. MTG. HOLE —
(3) REQD.

Technical drawing of a mechanical part with the following dimensions and features:

- Width: G
- Height: H
- Top horizontal distance from left edge to vertical line: C
- Right horizontal distance from vertical line to right edge: $.75$
- Left vertical distance from bottom to top edge: D
- Right vertical distance from bottom to top edge: E
- Bottom horizontal distance between two concentric knockouts: F
- Bottom horizontal distance from left edge to vertical line: $.27$
- Annotation: $.27$ DIA. MITG. HOLE (3) REQD.
- Annotation: 2 CONCENTRIC KNOCKOUTS

FIG. 12 ONLY
KNOCKOUTS ON OPPOSITE END
ARE IN REVERSE ORDER



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NOT TO BE REPRODUCED, USED,
DISCLOSED EXCEPT FOR THE PUR-
POSE FOR WHICH IT IS FURNISHED.

NAME
6-955.DWG
SERIAL ID NUMBER

PRODUCT CODE | REVISION

R.	DATE
DIE CARSON 10/5/82	
D.	DATE
BISCHOF 10/5/82	

DATE
SPEC. (PROJECT NO.) SCALE TYPE

89 1009 1-5

CUTLER-HAMMER **PITTSBURGH, PA.** **EATON**

TYPE 1 & 3 3P & 4P

SIZE	DWG. NO.	QE QEE	SHEET NO.
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