

BUSSMANN
SERIES

Industry's most
comprehensive **medium
voltage circuit protection**

EATON

Powering Business Worldwide

Medium voltage solutions for virtually every application

For over 100 years, Bussmann™ series fuses have provided superior circuit protection, enhanced safety and reliable service.

Our medium voltage fuse portfolio includes a fusible solution for virtually every medium voltage application with our current-limiting E-Rated, R-Rated and PT fuses.

Application

We offer current-limiting E-Rated, R-Rated and PT medium voltage fuses to protect motors, switchgear, transformers, small power and control transformers, and feeder circuits—enabling us to provide a specialized solution for your unique application.

Available types

Our offering covers a wide range of physical sizes and construction types. From our standard CLE ferrule fuses to our HCL clip-lock mounted fuses, we have a solution for your needs.



Ratings and features

Additionally, a wide range of voltages and ampacities are available that span 2.4 kV to 38 kV and 1 to 1350 amps. From our 0.5 amp PT fuses to our quad-barrel 1350 amp E-Rated fuse, we can provide the level of protection needed.

Choose from fuses for both indoor and outdoor circuit protection, with or without indication and even featuring a hermetically sealed fuse body.

Accessories

Our E-Rated, R-Rated and PT medium voltage fuse portfolio is rounded out with fuse mountings that are available in either disconnect or non-disconnect designs and fuseclips for a more flexible equipment design. A microswitch for remote indication is also available for all E-Rated and R-Rated fuses.

Visit Eaton.com/bussmannseries for more information on our complete portfolio of medium voltage fuses.

E-Rated medium voltage fuses

E-Rated fuses are general purpose current-limiting fuses used to protect transformers, feeders and branch circuits. As they are non-venting fuses, they must be mounted indoors or in an enclosure. Their current-limiting ability reduces fault current (I_{2t}) that the system components must withstand. *Portfolio includes CLE, HLE, LHLE and MV fuses.*



Construction types include ferrule, bolt-on and clip lock, with special application fuses available for use with AMPGARD® motor starters. The ferrule fuses are available in a range of sizes to meet standard industry specifications.

Additionally, fuseclips are available as well as mountings in disconnect and non-disconnect versions with insulation material options to achieve various voltage BIL ratings.

All of our E-Rated medium voltage fuses include open fuse indication with available microswitch for remote indication to speed troubleshooting and indoor/outdoor ratings are available on select fuses.

ANSI		DIN	
Voltage (kV)	Amps	Voltage (kV)	Amps
2.75	10-450	5.5	10-450
5.5	10-1350	15.5	175-200
8.3	10-350	17.5	10-150
15.5	10-300	25.8	10-100
		38	10-30

R-Rated medium voltage fuses

R-Rated fuses are back-up current-limiting fuses used in conjunction with medium voltage motors and motor controllers to provide short-circuit protection. They offer a high level of fault current interruption in a self-contained, non-venting package that can be mounted indoors or in an enclosure. *Portfolio includes CLS, JCL and JCK fuses.*

Construction types include ferrule and bolt-on, with special application ferrule and hermetically sealed fuses available for use with motor starters and motor controls, including AMPGARD motor starters. Both fuse mountings and fuseclips are available.

ANSI	
Voltage (kV)	Amps
2.4	25-450
4.8	30-800
7.2	70-800

All of our R-Rated medium voltage fuses include open fuse indication to speed troubleshooting.



PT medium voltage fuses

Low amp, PT fuses are general purpose current-limiting fuses used to protect potential, small service and control transformers. They offer a high level of fault current interruption in a self-contained, non-venting package that can be mounted indoors or in an enclosure. *Portfolio includes CLPT, CAV, AB and AM fuses.*



Our offering includes both indicating and non-indicating versions. PT fuses are physically dimensioned for easy installation in existing hardware, while their space-saving size eases design considerations for new installations.

Although all of our PT fuses are ferrule construction, we offer a variety of physical sizes according to standard

industry specifications, which provides enhanced flexibility.

Many of our PT medium voltage fuses include open fuse indication to speed troubleshooting. Additionally, fuseclips or fuse mountings are available for all versions.

ANSI		DIN	
Voltage (kV)	Amps	Voltage (kV)	Amps
2.475	0.25-5	7.2	6.3-160
3.6	2-10		
5.5	0.5-15		
7.2	0.5-10		
8.3	0.5-10		
12	2-3.15		
15.5	0.5-10		
17.5	2-10		
24	2-4		
25.5	0.5-1		
36	2-4		
38	0.5-4		

Single-source supplier of medium voltage circuit protection

A global electrical original equipment manufacturer was seeking a single medium voltage fuse supplier who had a diverse offering to accommodate all of their switchgear and motor control/starter product lines.

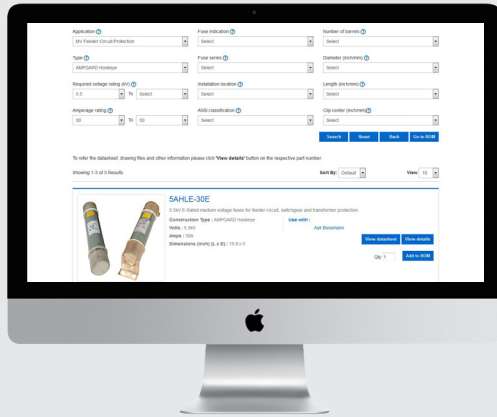
Additionally, they required qualified custom products and a supplier that could meet that need within a tight deadline.

Eaton's Bussmann Division was able to serve as a single source for all their current-limiting medium voltage fuse applications.

Our team was able to provide a custom configuration of R-Rated fuses to meet their performance and cost objectives. Furthermore, our standard E-Rated and PT fuses provided a drop-in solution for their legacy designs.



Bussmann series medium voltage fuse selector tool



The Bussmann series medium voltage fuse selector tool makes searching for and selecting medium voltage fuses quick and easy.

Simply select from the available attributes to find the fuse that meets your application's criteria. The displayed results link to more information and provide suggested applicable accessories.

The tool also provides quick access to application engineers for additional assistance

Visit the Bussmann series toolbox at <http://toolbox.bussmann.com> and click on Medium Voltage Fuse Selector to start using today.

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