

Medium Voltage Fuses

E-rated fuses for transformers and feeders

MV055 and MV155



Specifications

Description: E-rated medium, voltage current-limiting fuses: for transformer and feeder protection.

Dimensions: See Catalog Numbers table.

Construction: Silver ribbon element surrounded by silica filler housed in a fiberglass tube and plated endcaps. An epoxy paint protects the fuse tube from the surrounding environment.

Ratings:

- Volts: — 5.5kV (5-450A)
- 15.5kV (5-200A)
- Amps: — 5-450A (5.5kV)
- 5-200A (15.5kV)
- IR: — 50kA Sym. Max

Agency Information: Meets E requirements per ANSI C37.46, Meets full range requirements per ANSI C37.40.

MV055 Features and Benefits

- Standard clip center distance of 12 inches with 2 and 3 inch barrel diameters for retrofitting in existing hardware
- Open fuse indicator for ease in troubleshooting
- Full range rating with 50,000 Interrupting Rating
- Double pulsed at 90% of minimum I2t to establish manufacturing reliability

MV055 Typical Applications

- 5.0 kV Transformer Primary Protection
- 5.0 kV Feeder Circuit Protection
- 5.0 kV Voltage Switches
- 5.0 kV Metal-enclosed Switchgear

MV155 Features and Benefits

- Standard clip center distance of 12 inches with 2 and 3 inch barrel diameters for retrofitting in existing hardware
- Open fuse indicator for ease in troubleshooting
- Full range rating with 50,000 Interrupting Rating
- Double pulsed at 90% of minimum I2t to establish manufacturing reliability

MV155 Typical Applications

- 15.0 kV Transformer Primary Protection
- 15.0 kV Feeder Circuit Protection
- 15.0 kV Voltage Switches
- 15.0 kV Metal-enclosed Switchgear

5.5kV Catalog Numbers

Catalog Numbers	Amp Rating	Min Melt I ² t	Max Clear I ² t	Dimensions (in)*			
				Length	Dia.	Clip Center	Barrels
MV055F1CAX5E	5	180	2,400	15.75	2	12	1
MV055F1CAX7E	7	850	8,000				
MV055F1CAX10E	10	850	8,000				
MV055F1CAX15E	15	2,070	11,000				
MV055F1CAX20E	20	2,370	23,000				
MV055F1CAX25E	25	4,650	31,000				
MV055F1CAX30E	30	9,490	45,000		3	12	1
MV055F1CAX40E	40	9,490	45,000				
MV055F1CAX50E	50	13,600	90,000				
MV055F1CAX65E	65	30,700	181,000				
MV055F1DAX10E	10	850	8,000				
MV055F1DAX15E	15	2,070	12,000				
MV055F1DAX20E	20	2,370	23,000	15.75	2	12	1
MV055F1DAX25E	25	4,650	31,000				
MV055F1DAX30E	30	9,490	45,000				
MV055F1DAX40E	40	9,490	45,000				
MV055F1DAX50E	50	13,600	90,000				
MV055F1DAX65E	65	30,700	181,000				
MV055F1DAX80E	80	54,600	270,000		3	12	1
MV055F1DAX100E	100	116,200	580,000				
MV055F1DAX125E	125	167,400	600,000				
MV055F1DAX150E	150	218,700	786,000				
MV055F1DAX175E	175	227,900	1,100,000				
MV055F1DAX200E	200	297,600	1,520,000				
MV055F2DAX250E	250	669,600	2,400,000	3	12	2	
MV055F2DAX300E	300	874,800	3,149,000				
MV055F2DAX350E	350	911,600	4,376,000				
MV055F2DAX400E	400	1,190,400	6,071,000				
MV055F2DAX450E	450	1,555,000	9,796,000				

1" = 25.4mm

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15.5kV Catalog Numbers

Catalog Numbers	Amp Rating	Min Melt I ² t	Max Clear I ² t	Dimensions*			
				Length	Dia.	Clip Center	Barrels
MV155F1CBX5E	5	180	2,900	18.75	2	15	1
MV155F1CBX7E	7	850	8,000				
MV155F1CBX10E	10	850	8,000				
MV155F1CBX15E	15	2,070	12,000				
MV155F1CBX20E	20	2,370	23,000				
MV155F1CBX25E	25	4,650	31,000				
MV155F1CBX30E	30	9,490	45,000		3	15	1
MV155F1DBX10E	10	850	8,000				
MV155F1DBX15E	15	2,070	12,000				
MV155F1DBX20E	20	2,370	23,000				
MV155F1DBX25E	25	4,650	31,000				
MV155F1DBX30E	30	9,490	45,000				
MV155F1DBX40E	40	9,490	45,000	3	15	2	
MV155F1DBX50E	50	13,600	90,000				
MV155F1DBX65E	65	30,700	181,000				
MV155F1DBX80E	80	54,600	270,000				
MV155F1DBX100E	100	116,200	600,000				
MV155F2DBX125E	125	123,000	677,000				
MV155F2DBX150E	150	218,700	1,287,000	21.75	18	1	
MV155F2DBX175E	175	314,700	1,689,000				
MV155F2DBX200E	200	465,100	2,405,000				
MV155F1DCX65E	65	30,700	181,000				
MV155F1DCX80E	80	54,600	270,000				
MV155F1DCX100E	100	116,200	600,000				
MV155F2DCX125E	125	123,000	677,000	21.75	18	2	
MV155F2DCX150E	150	218,700	1,287,000				
MV155F2DCX175E	175	314,700	1,689,000				
MV155F2DCX200E	200	465,100	2,405,000				

*1" = 25.4mm.

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