

Medium Voltage Fuses

British Standard IEC fuses for use in oil filled distribution switchgear

OEFMA

Specifications

Description: BS 2692-1 medium voltage fuses for use on the primary circuit of three-phase 50Hz transformers in oil field switchgear. Fitted with powerful pyrotechnic striker pin.

Ratings:

Volts: — 3.6-24kV

Amps: — 6.3-200A

IR: — 25-50kA (See Catalog Number table below)

Agency Information: Fuses comply with IEC 60282-1, BS2692-1 and ESI Standard 12-8. 7.2 and 12kV fuses tested at highest system voltage and approved by the UK Electricity Association approvals panel.

Features and Benefits

- Physically sized for replacement of British Standard fuse links

Typical Applications

- Medium Voltage BS designed equipment



Code Number Reference

Type

O = Oil tight

Diameter

E = 63.5mm

H = 63.5mm

L = 63.5mm

Length

F = 254mm

G = 359mm

Striker

M = As specified in BS 2692 table 11

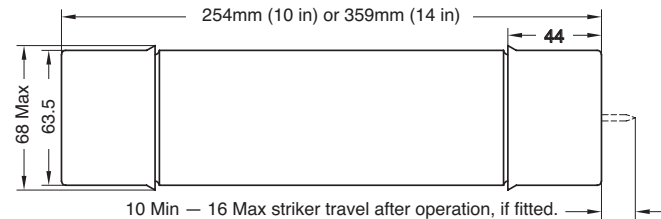
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A = None (plain caps)

Dimensions:

Current-limiting fuse for use in oil switchgear

Fuse types: OEF, OEG, OHF, OHG, OLG



Catalog Numbers

Transformer kVA	Catalog Numbers Transformer Primary Voltage			
	3.6kV	6.6kV	11kV/ESI 12-8 Ref.	13.8kV
200	3.6kV OEFMA 63	12kV OEFMA 31.5	12kV OEFMA 25/01	15.5kV OEFMA 16
250	3.6kV OEFMA 80	12kV OEFMA 40	12kV OEFMA 25/—	15.5kV OEFMA 20
300/315	3.6kV OEFMA 100	12kV OEFMA 50	12kV OEFMA31.5/02	15.5kV OEFMA 25
400	3.6kV OEFMA 125	12kV OEFMA 63	12kV OEFMA 40/—	15.5kV OEFMA 31.5
500	3.6kV OEFMA 160	12kV OHFMA 71	12kV OEFMA 50/03	15.5kV OEFMA 40
630	3.6kV OEFMA 200	7.2kV OEFMA 100	12kV OEFMA 63/—	15.5kV OEFMA 50
750/800	3.6kV OLGMA 250	7.2kV OHGMA 125	12kV OHFMA 80/04	15.5kV OEFMA 63
1000	3.6kV OLGMA 250*	7.2kV OHGMA 140	12kV OHGMA 90**/05	15.5kV OHGMA 71
1250	—	7.2kV OHGMA 160*	12kV OHGMA 100/—	15.5kV OHGMA 90
1600	—	—	12kV OLGMA 125*/—	15.5kV OLGMA 100*

This Catalog Number selection table is based upon the following criteria:

1. Withstand against magnetizing inrush current taken as 12 times full-load current for 0.1 second.
2. Withstand against 150% permissible overload current. Recommendations marked with asterisks have the following significance:-
*Limited to permissible overloads of 130%.

**Permits use of a 12kV OHFMA 80A fuse with a 100kVA transformer where permissible overload does not exceed 130%.

3. For 6.6kV systems, 12kV fuses are recommended where possible in the interests of standardization.

4. Wherever possible, 10 inch long FO1 fuses are offered rather than equivalent 14 inch FO2 types.

5. The above recommendations are not generally applicable to transformers feeding motor circuits with starting currents in excess of the transformer full load current. In this event, please consult Cooper Bussmann.

Catalog Numbers

Basic Cat. Number	Voltage	Dimensional Ref. BS 2692	Amp Ratings	Breaking Capacity (kA)
OEFMA	3.6kV	FO1	6.3, 10, 16, 20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200	50
OEGMA	3.6kV	FO2	100, 125, 160, 200	50
OLGMA	3.6kV	FO2	250	50
OEFMA	7.2kV	FO1	80, 100, 112	45
OHGMA	7.2kV	FO2	125, 140, 160	45
OEFMA	12.0kV	FO1	6.3, 10, 16, 20, 25, 31.5, 40, 50, 63	40
OHFMA	12.0kV	FO1	71, 80	40
OHGMA	12.0kV	FO2	6.3, 10, 16, 20, 25, 31.5, 40, 50, 63, 71, 80, 90, 100	40
OLGMA	12.0kV	FO2	125	40
OEFMA	15.5kV	FO1	6.3, 10, 16, 20, 25, 31.5, 40, 50, 63	40
OHGMA	15.5kV	FO2	71, 80, 90	40
OLGMA	15.5kV	FO2	100	40
OHGMA	17.5kV	FO2	6.3, 10, 16, 20, 25, 31.5, 40, 50, 63, 80	35
OEGMA	24.0kV	FO2	6.3, 10, 16, 20, 25, 31.5, 40, 50	25

Contact Cooper Bussmann for complete specifications on medium voltage fuses.

Catalog Number Build-A-Code

kV Basic Amps
 Catalog Number