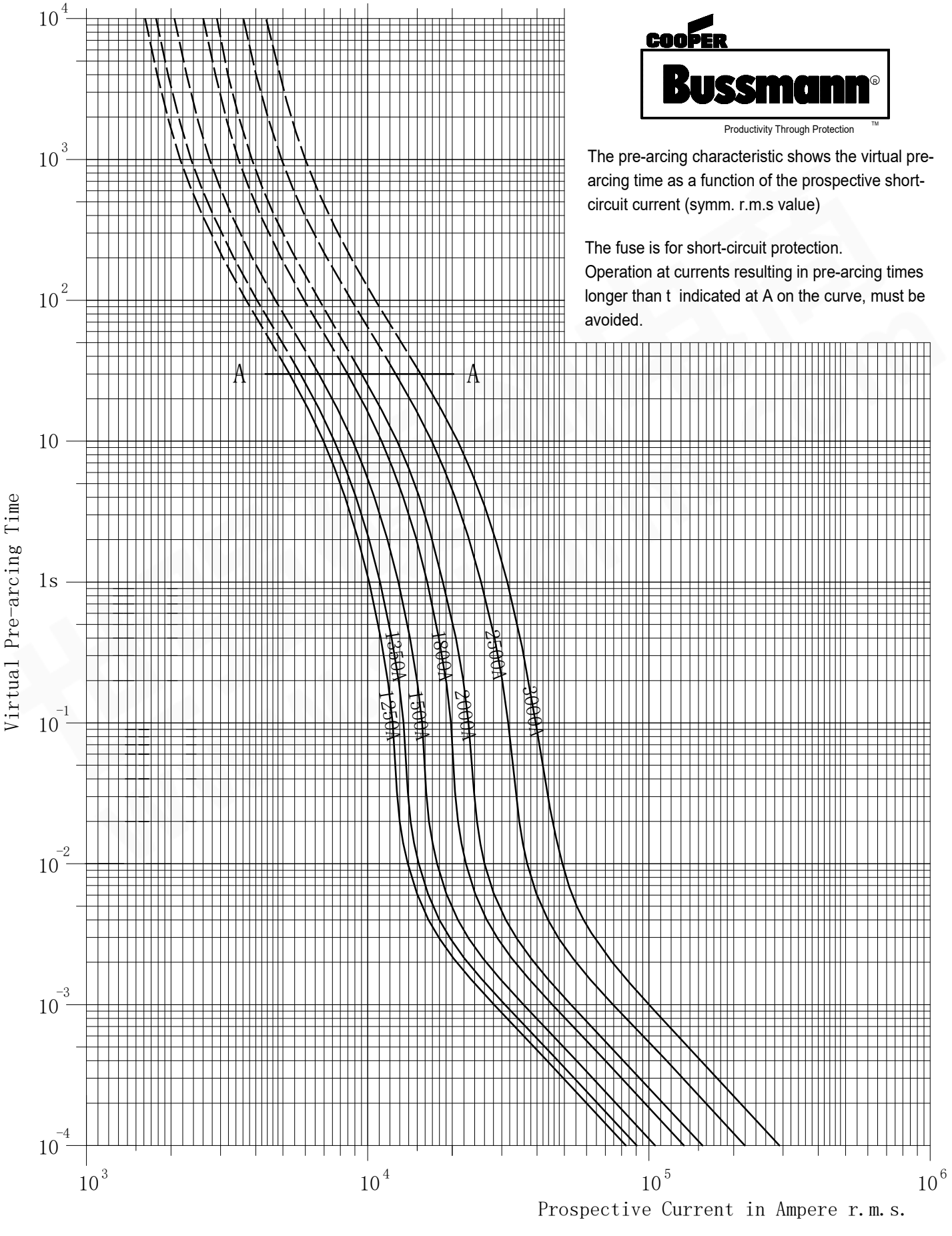
Part Number	Rated Voltage V dc	Rated current RMS-value A	Pre-arcing integral (from cold) A^2s	Max. operating I^2t at Max. operating voltage A^2s	Losses at rated current W	Rated Breaking Capacity kA L/R≤15ms
CBMG-3000	1500	3000	8 100 000	24 300 000	585	100
CBMG-2500		2500	4 650 000	14 000 000	530	
CBMG-2000		2000	2 300 000	7 000 000	480	
CBMG-1800		1800	1 650 000	5 000 000	460	
CBMG-1500		1500	1 100 000	3 650 000	390	
CBMG-1350		1350	825 000	2 800 000	365	
CBMG-1250		1250	695 000	2 400 000	340	

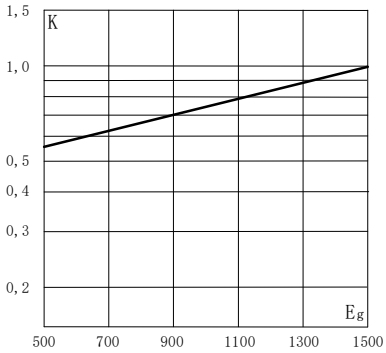


COOPER Bussmann®
Productivity Through Protection™

The pre-arcing characteristic shows the virtual pre-arcing time as a function of the prospective short-circuit current (symm. r.m.s value)

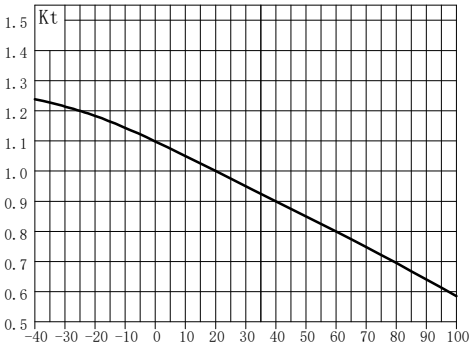
The fuse is for short-circuit protection.
Operation at currents resulting in pre-arcing times longer than t indicated at A on the curve, must be avoided.

K : Correction factor for max. operating It^2



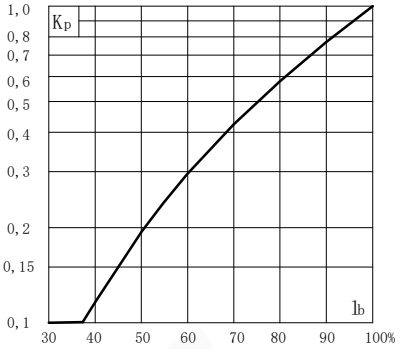
E_g: RMS value of working voltage in V

Kt : Correction factor for ambient temperature



Ambient temperature in ° C

Kp : Correction factor for watt loss



RMS value of load current in % of rated current

Storage conditions

Fuses should be stored in their original boxes under typical warehouse conditions for electromechanical products (free from any dirt and dust).
Storage conditions should be no more than 70 percent relative humidity and in the -40° C to +85° C range.

Work conditions

The fuse should work within the temperature -40° C to +100° C range.

Standard & Certification

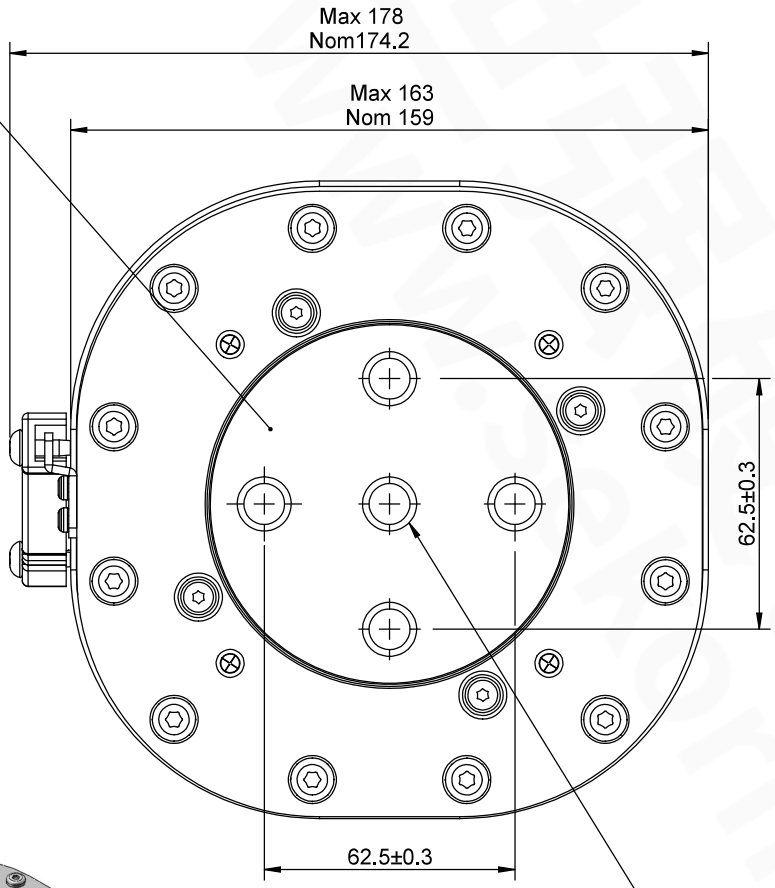
The fuse comply with UL248-13, the UL file No. is E258171 , Vol 2

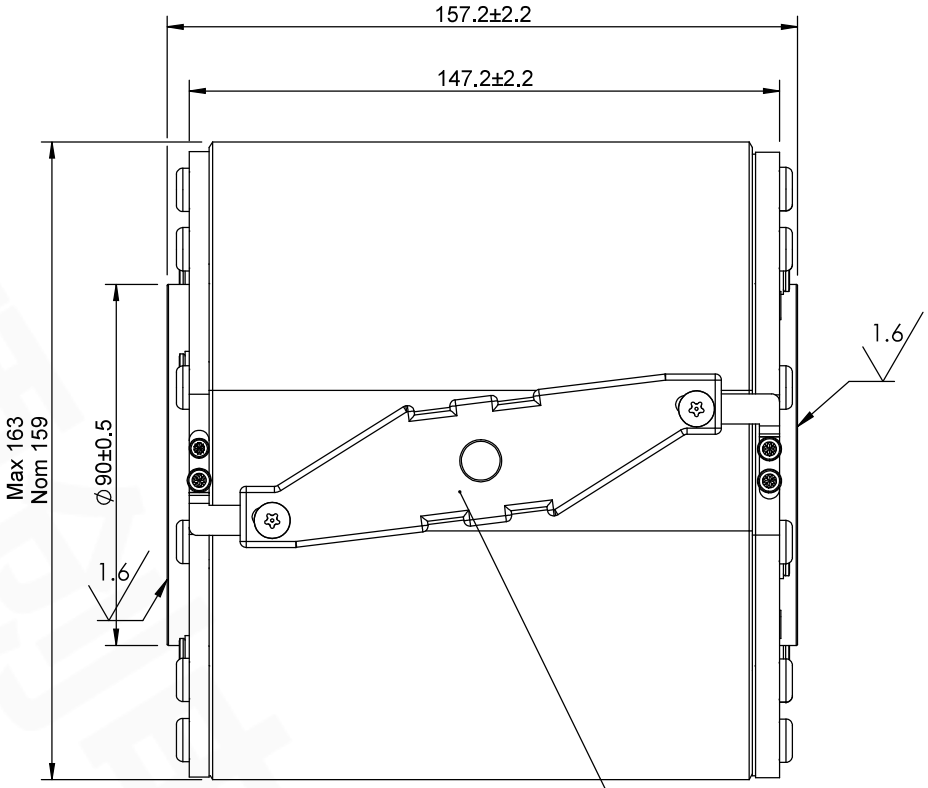
Installation Instruction

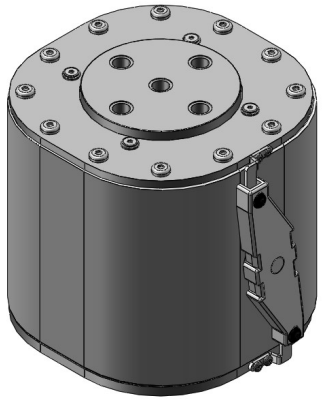
The fuse should be mounted to busbar with 5 pcs M12 socket set screws at each side, the screws according to ISO 4026/DIN 913 or ISO 4029/DIN 916 are recommended. The studs must be tightened carefully applying a torque of 50Nm,4% range is recommended.

REVISION				
REV	DESCRIPTION	BY	DATE	CHANGE NO.
C	DRAWING UPDATED WITH EATON TEMPLATE	JVM	04/01/2017	BUEI4519

Tin (Sn) plate 3 to 5 microns
Nickel (Ni) plate 3 to 5 microns
(Both faces)







5pcs M12.
Max depth of hole 12.5mm. Min length of thread 10mm.

Adapter: 170H368317
Fitted

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES UNLESS OTHERWISE SPECIFIED:
GENERAL ± 0.4mm
ANGULAR ± 1°

UNCONTROLLED COPY

MODEL SOURCE FILE: 2000V_STD_FE
MODEL VERSION: 01

TITLE: High Speed Fuse-Size 5
Type Designation: 5BKN/155
2000V

DRAWN BY:	DATE:	SCALE:	ANGLE:	SIZE:
NS	04/08/08	NTS	FIRST	A3

MATERIAL: VARIOUS

FINISH: See notes if applicable

DWG NO: 170X0809-N

REV: C

SHEET: 1 OF 1

EATON
Powering Business Worldwide

EATON
Burton-on-the-Wolds,
Leics, LE12 5TH
Tel +44 1509 882 600

Drawing template A3 : Rev 6