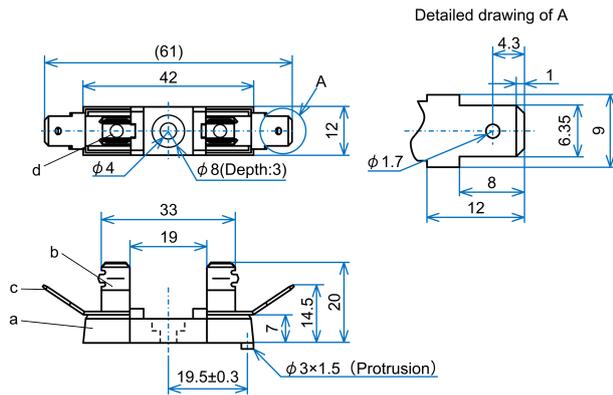




Dimensions and construction:



Dimensional tolerances where not noted	
Dimensional range (mm)	Tolerance ( $\pm$ mm)
$L \leq 3$	0.35
$3 < L \leq 6$	0.45
$6 < L \leq 18$	0.55
$18 < L \leq 30$	0.7
$30 < L \leq 50$	0.9
$50 < L \leq 80$	1.0
$80 < L \leq 120$	1.2

Mounting holes:



	Component	Qty	Materials	Finish/Remarks
a	Base	1	Phenolic resin (Black)	UL94V-0
b	Fuse clip	2	C5191R-H, t=0.5 mm	Tin plated
c	#250 Tab	2	C2680R-1/2H, t=0.8 mm	Tin plated
d	Rivet	2	Al	—

Marking: Stamped on the surface of the base: AC30A 250V SOC  
 Marked on the surface of the packing box: SOC BM-LQ-I-13

**Characteristics:**

Fuse size:	$\phi 6.35 \times 30$ mm or $\phi 6.35 \times 31.8$ mm
Certification:	UL 512 Recognized, File No. E63279
Rated voltage:	AC 250 V
Rated current:	AC 30 A
Insertion/Withdrawal force:	10 N–60 N measured using a steel dummy fuse of $\phi 6.35 \times 30$ mm or $\phi 6.35 \times 31.8$ mm.
Contact resistance:	3 m $\Omega$ or less when measured by a fall-of-potential method at 100 mA/DC 60 V or by a low ohmmeter, using a copper dummy fuse of $\phi 6.35 \times 30$ mm or $\phi 6.35 \times 31.8$ mm.
Insulation resistance:	100 M $\Omega$ or more when DC 500 V is applied for 1 min between the two fuse clip terminals, and between one of the fuse clip terminals and the metal base panel, respectively.
Withstand voltage:	No dielectric breakdown is produced when AC 2,000 V is applied for 1 min between the two fuse clip terminals, and between one of the fuse clip terminals and the metal base panel, respectively.
Temperature rise:	65 K or less on the side surface of the fuse clip when AC 30 A is applied until temperature stabilization occurs, using one-meter long No. 10 AWG wires on each side of the fuseholder in which a copper dummy fuse of $\phi 6.35 \times 30$ mm or $\phi 6.35 \times 31.8$ mm is inserted.
Strength of base:	700 mN·m or less when measured by tightening an M4 screw using a torque wrench.

**Usage conditions:**

- \* Ambient temperature:  $-40\text{ }^{\circ}\text{C}$ — $+85\text{ }^{\circ}\text{C}$
- \* Ambient humidity: 85% RH or less

**Storage conditions and storage period:**

Products packaged as delivered can be stored for one year from the date indicated on the packing label under the following conditions:

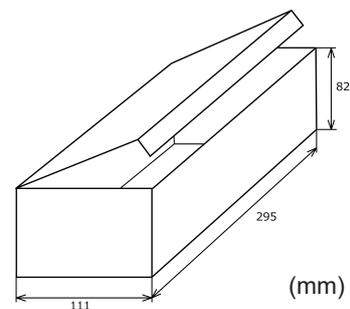
- \* Ambient temperature:  $-30\text{ }^{\circ}\text{C}$ — $+40\text{ }^{\circ}\text{C}$  (no condensation)
- \* Ambient humidity: 85% RH or less
- \* Ambient atmosphere: Not exposed to corrosive gas or sea breeze  
No visible dust  
Not exposed to direct sunlight
- \* Load: No application of load that may cause deformation or degradation of the product.

**Environmental information:**

This product conforms to the EU RoHS Directive 2011/65/EU and 2015/863. The ten hazardous substances (lead, mercury, cadmium, hexavalent chromium, poly brominated biphenyls [PBB], poly brominated diphenyl ethers [PBDE], bis phthalate [DEHP], butyl benzyl phthalate [BBP], dibutyl phthalate [DBP] and diisobutyl phthalate [DIBP]) specified in the EU RoHS Directive are not used intentionally in this product. However, when lead is used in applications exempted from the requirements of the Directive, this will be indicated in the Dimensions and Construction section of the corresponding product specification.

**Packaging:**

1. 200 fuseholders shall be packed into a cardboard case shown in the figure below. If the number of fuseholders is less than the fixed number, the fuseholders are still packed into the cardboard case in the same manner.
2. Packing label shall be attached to the outside of the cardboard case.
  - \* Your part number (by request)
  - \* Quantity
  - \* Packaged date
  - \* Country of origin
  - \* Manufacturer
  - \* Production facilities
  - \* Lot no.
  - \* Indications required by the applicable standards

**Lot number:**

The lot number indicates the following:

Example: 17012371      170123: Date manufactured  
71:                      Process code

## Ordering specifications:

SOC product name: BM-LQ-I-13

## Contact information:

SOC is a global ISO9001 and IATF16949 registered company headquartered in Japan with subsidiaries in Asia, Europe, and North America.

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