

# A60X

Amp-Trap® Form 101, 600VAC; 1-2000A

A60X Amp-Trap® Form 101 high speed fuses are popular for the protection of higher voltage heavy rectifiers such as traction rectifiers. They can carry long sustained overloads common with heavy duty apparatus. 700A through 2000A sizes are of compact, hockey-puck design, able to provide high power protection in a small space.

## FEATURES/BENEFITS: FUSE BLOCKS:

- Low  $I^2t$  minimizes damage to protected components on short circuit
- Controlled arc voltage reduces stress to circuit components during fuse clearing
- Choice of mounting types helps in equipment design

| Current Rating $I_n$ [A] | Catalog No.      | Poles |
|--------------------------|------------------|-------|
| 1-30                     | 60316            | 1     |
| 31-60                    | P243C            | 1     |
| 61-100                   | P243C            | 1     |
| 101-200                  | P243C            | 1     |
| 201-400                  | P266A            | 1     |
| 401-600                  | P266A            | 1     |
| 35-400                   | 1SC250 or 1SCM8  | 1     |
| 450-800                  | 1SC375 or 1SCM10 | 1     |

See Fusegear section for product details.



## RATINGS:

- **AC:** 1-30A, 600VAC  
35-800A, 600VAC, 200kA IR  
900-2000A, 600VAC

## APPLICATIONS:

- Protection of heavy traction and electrochemical as well as rectifiers and other heavy-duty equipment

## APPROVALS:

- UL Recognized Component  
UL file E60314
- AC: 35-800A, 600VAC



## DIMENSIONS:

| Outline Ref.     | Mounting Type | Fig. | Dimensions - Inches (mm) |            |            |            |            |            |            |          | Tap             |
|------------------|---------------|------|--------------------------|------------|------------|------------|------------|------------|------------|----------|-----------------|
|                  |               |      | A                        | B          | C          | D          | E          | F          | G          | H        |                 |
| A60X1 to 30      | 1             | 1    | 5.00[127]                | .81[20.6]  | -          | -          | -          | -          | -          | -        | -               |
| A60X35 to 60     | 4             | 2    | 4.38[111]                | .81[20.6]  | 2.78[70.6] | 3.69[93.7] | 3.44[87.4] | .34[8.6]   | .72[18.3]  | .13[3.3] | -               |
| A60X70 to 100    | 4, 4TI*, 4TA  | 3, 4 | 4.41[112]                | 1.00[25.4] | 2.91[73.9] | 3.72[94.5] | 3.59[91.2] | .31[7.9]   | .75[19.1]  | .13[3.3] | -               |
| A60X125 to 200   | 4, 4TI*, 4TA  | 3, 4 | 4.41[112]                | 1.22[31.0] | 2.91[73.9] | 3.72[94.5] | 3.59[91.2] | .31[7.9]   | 1.00[25.4] | .19[4.8] | -               |
| A60X225 to 400   | 4, 4TI*, 4TA  | 3, 4 | 5.13[130]                | 1.50[38.1] | 2.88[73.2] | 4.19[106]  | 3.56[90.4] | .41[10.4]  | 1.00[25.4] | .25[6.4] | -               |
| A60X450 to 600   | 4, 4TI*, 4TA  | 3, 4 | 5.13[130]                | 2.00[50.8] | 2.88[73.2] | 4.06[103]  | 3.69[93.7] | .41[10.4]  | 1.50[38.1] | .25[6.4] | -               |
| A60X700 to 800   | 4, 4TA*       | 3, 4 | 7.25[184]                | 2.50[63.5] | 3.00[76.2] | 5.94[151]  | 4.56[116]  | .53[13.5]  | 2.00[50.8] | .38[9.7] | -               |
| A60X700 to 800   | 128           | 5    | 4.00[102]                | 3.00[76.2] | 3.75[95.3] | 2.50[63.5] | 1.50[38.1] | -          | -          | -        | 3/8-24-1/2 Deep |
| A60X1000 to 1200 | 128           | 6    | 4.00[102]                | 3.50[88.9] | 3.75[95.3] | 3.00[76.2] | 1.50[38.1] | 1.50[38.1] | -          | -        | 3/8-24-1/2 Deep |
| A60X1500 to 2000 | 128           | 6    | 4.00[102]                | 4.50[114]  | 3.75[95.3] | 3.75[95.3] | 1.50[38.1] | 1.50[38.1] | -          | -        | 1/2-20-1/2 Deep |

\* Optional Trigger Actuator (TA) or Trigger Indicator (TI)

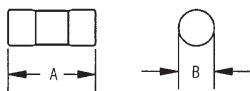


Figure 1

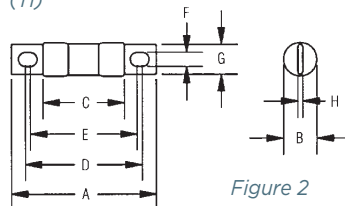


Figure 2

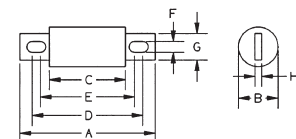


Figure 3

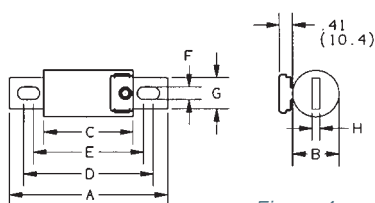


Figure 4

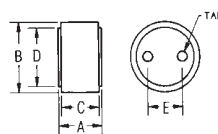


Figure 5

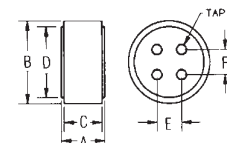


Figure 6

## CATALOG NUMBERS:

| Catalog No. | Current Rating $I_n$ [A] | Dimen. Fig. |
|-------------|--------------------------|-------------|
| A60X1-1     | 1                        | 1           |
| A60X2-1     | 2                        | 1           |
| A60X3-1     | 3                        | 1           |
| A60X4-1     | 4                        | 1           |
| A60X5-1     | 5                        | 1           |
| A60X6-1     | 6                        | 1           |
| A60X7-1     | 7                        | 1           |
| A60X8-1     | 8                        | 1           |
| A60X10-1    | 10                       | 1           |
| A60X12-1    | 12                       | 1           |
| A60X15-1    | 15                       | 1           |
| A60X20-1    | 20                       | 1           |
| A60X25-1    | 25                       | 1           |
| A60X30-1    | 30                       | 1           |
| A60X35-4    | 35                       | 2           |
| A60X40-4    | 40                       | 2           |
| A60X45-4    | 45                       | 2           |
| A60X50-4    | 50                       | 2           |
| A60X55-4    | 55                       | 2           |
| A60X60-4    | 60                       | 2           |
| A60X70-4    | 70                       | 3           |
| A60X80-4    | 80                       | 3           |
| A60X80-4TA  | 80                       | 4           |
| A60X90-4    | 90                       | 3           |
| A60X100-4   | 100                      | 3           |
| A60X100-4TA | 100                      | 4           |
| A60X125-4   | 125                      | 3           |
| A60X125-4TA | 125                      | 4           |
| A60X150-4   | 150                      | 3           |
| A60X150-4TA | 150                      | 4           |
| A60X175-4   | 175                      | 3           |
| A60X200-4   | 200                      | 3           |
| A60X200-4TA | 200                      | 4           |
| A60X200-4TI | 200                      | 3           |

| Catalog No.  | Current Rating $I_n$ [A] | Dimen. Fig. |
|--------------|--------------------------|-------------|
| A60X225-4    | 225                      | 3           |
| A60X250-4    | 250                      | 3           |
| A60X250-4TA  | 250                      | 4           |
| A60X250-4TI  | 250                      | 3           |
| A60X300-4    | 300                      | 3           |
| A60X300-4TA  | 300                      | 4           |
| A60X300-4TI  | 300                      | 3           |
| A60X350-4    | 350                      | 3           |
| A60X350-4TA  | 350                      | 4           |
| A60X400-4    | 400                      | 3           |
| A60X400-4TA  | 400                      | 4           |
| A60X400-4TI  | 400                      | 3           |
| A60X450-4    | 450                      | 3           |
| A60X450-4TA  | 450                      | 4           |
| A60X500-4    | 500                      | 3           |
| A60X500-4TA  | 500                      | 4           |
| A60X500-4TI  | 500                      | 3           |
| A60X600-4    | 600                      | 3           |
| A60X600-4TA  | 600                      | 4           |
| A60X600-4TI  | 600                      | 3           |
| A60X700-4    | 700                      | 3           |
| A60X700-128  | 700                      | 7           |
| A60X800-4    | 800                      | 3           |
| A60X800-4TA  | 800                      | 4           |
| A60X800-128  | 800                      | 7           |
| A60X1000-128 | 1000                     | 8           |
| A60X1200-128 | 1200                     | 8           |
| A60X1500-128 | 1500                     | 8           |
| A60X1600-128 | 1600                     | 8           |
| A60X1800-128 | 1800                     | 8           |
| A60X2000-128 | 2000                     | 8           |

For ampere ratings and styles not listed, contact Technical Services at 978-465-4853 or [TechnicalServices.EP@mersen.com](mailto:TechnicalServices.EP@mersen.com).