

A15QS

Amp-Trap® Form 101

HIGH SPEED FUSES



A15QS Amp-Trap® Form 101 high speed fuses were designed for the specific protection of diodes and other semiconductor devices rated 150VAC/DC. The A15QS product line's compact design is perfect for those applications that have limitations on available space.

FEATURES/BENEFITS:

- Low I²t minimizes damage to protected components on short circuit
- Controlled arc voltage reduces stress to circuit components during fuse clearing
- Choice of mounting types provides options for unique termination requirements

| Catalog Numbering System | | | | | |
|--------------------------|----------------------|-----------|------------|---|---|
| A | 15 | QS | 400 | - 4 | TI |
| | | | | | |
| Amp-Trap® Fuse | Rated Volts - 150 | Style | Amperes | Mounting Types* Ferrule: 1 Ferrule, midget dims (10x38mm): 2 Blades, bolt-in: 4 Hockey puck, bolt-in: 128 | Integral Blown-Fuse Indicator Trigger Indicator: TI IL Indicator: IL |

* For ampere ratings and types not listed, consult the factory.

** For harsh duty applications, refer to the A13X product family. Consult the factory for A13X application information.

RATINGS

- **Volts:** 150VAC / DC
- **Amps:** 1 to 6000A
- **I.R.:** 100kA I.R. AC, 50kA I.R. DC


HIGHLIGHTS:

- Fast acting
- Current limiting
- Low I²t
- Indicator options available

APPLICATIONS:


- Protection of heavy duty devices such as electrochemical rectifiers

APPROVALS:

- UL recognized component 
UL File E60314
- AC: UL guide no. JFHR2 (1-4000A)
- DC tested to UL standard 198L parameters (1-4000A)

SINGLE POLE FUSE BLOCKS FOR A15QS FUSES

| Fuse Ampere Rating | Catalog No. |
|--------------------|-------------|
| 1-30 | 30311 |
| 31-60 | U71006 |
| 500-600 | P243G |
| 40-450 | P243D |
| 800 | 1SC375 |



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CATALOG NUMBERS (AMPS)

| Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. |
|-------------|-------------|--------------|-------------|---------------|-------------|-----------------|-------------|
| A15QS1-2 | 1 | A15QS50-4 | 2 | A15QS250-4TI | 2 | A15QS1000-128 | 4 |
| A15QS2-2 | 1 | A15QS60-1 | 1 | A15QS300-4 | 2 | A15QS1000-128IL | 5 |
| A15QS3-2 | 1 | A15QS70-4 | 2 | A15QS300-4TI | 2 | A15QS1200-128 | 4 |
| A15QS4-2 | 1 | A15QS70-4TI | 2 | A15QS300-4IL | 3 | A15QS1200-128IL | 5 |
| A15QS5-2 | 1 | A15QS80-4 | 2 | A15QS350-4 | 2 | A15QS1500-128 | 4 |
| A15QS6-2 | 1 | A15QS80-4TI | 2 | A15QS350-4TI | 2 | A15QS1500-128IL | 5 |
| A15QS7-2 | 1 | A15QS90-4 | 2 | A15QS400-4 | 2 | A15QS2000-128 | 4 |
| A15QS8-2 | 1 | A15QS100-4 | 2 | A15QS400-4IL | 3 | A15QS2000-128IL | 5 |
| A15QS10-2 | 1 | A15QS100-4TI | 2 | A15QS400-4TI | 2 | A15QS2500-128 | 4 |
| A15QS12-2 | 1 | A15QS130-4 | 2 | A15QS450-4 | 2 | A15QS2500-128IL | 5 |
| A15QS15-2 | 1 | A15QS130-4TI | 2 | A15QS450-4IL | 3 | A15QS3000-128 | 4 |
| A15QS20-2 | 1 | A15QS150-4 | 2 | A15QS500-4 | 2 | A15QS3000-128IL | 5 |
| A15QS25-2 | 1 | A15QS150-4IL | 3 | A15QS500-4IL | 3 | A15QS3500-128 | 6 |
| A15QS30-2 | 1 | A15QS150-4TI | 2 | A15QS600-4 | 2 | A15QS4000-128 | 6 |
| A15QS35-1 | 1 | A15QS175-4 | 2 | A15QS600-4IL | 3 | A15QS4000-128IL | 7 |
| A15QS40-1 | 1 | A15QS175-4TI | 2 | A15QS800-4 | 2 | A15QS4500-128 | 8 |
| A15QS40-4TI | 2 | A15QS200-4 | 2 | A15QS1000-4 | 2 | A15QS4500-128IL | 8 |
| A15QS45-1 | 1 | A15QS200-4IL | 3 | A15QS1000-4IL | 3 | A15QS5000-128 | 8 |
| A15QS50-1 | 1 | A15QS250-4 | 2 | A15QS1000-4TI | 2 | A15QS6000-128 | 8 |

* For ampere ratings and styles not listed, call Technical Services at 978-465-4853.

DIMENSIONS

| Outline Ref. | Mounting Type | Fig. | Dimensions - Inches (mm) | | | | | | | | | Tap |
|-------------------|---------------|-------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|-----------------|
| | | | A | B | C | D | E | F | G | H | | |
| A15QS1 to 30 | 2 | 1 | 1.50 (38.1) | 0.41 (10.4) | - | - | - | - | - | - | - | - |
| 15QS35 to 60 | 1 | 1 | 2.00 (50.8) | 0.81 (20.6) | - | - | - | - | - | - | - | - |
| A15QS20 to 450 | 4, 4TI*, 4IL* | 2, 3* | 2.66 (67.6) | 1.00 (25.4) | 1.16 (29.5) | 2.19 (55.6) | 1.88 (47.6) | 0.31 (7.9) | 0.74 (18.8) | 0.125 (3.2) | - | - |
| A15QS500 to 1000 | 4, 4TI*, 4IL* | 2, 3* | 3.50 (88.9) | 1.50 (38.1) | 1.25 (31.8) | 2.56 (65.0) | 1.94 (49.3) | 0.41 (10.4) | 1.00 (25.4) | 0.25 (6.4) | - | - |
| A15QS750 to 2000 | 128, 128IL | 4, 5* | 1.88 (47.8) | 2.00 (50.8) | 1.63 (41.4) | 1.75 (44.5) | 1.00 (25.4) | - | - | - | - | 3/8-24-1/2 Deep |
| A15QS2500 to 3000 | 128, 128IL | 4, 5* | 1.88 (47.88) | 3.00 (76.2) | 1.63 (41.4) | 2.50 (63.5) | 1.50 (38.1) | - | - | - | - | 1/2-20-1/2 Deep |
| A15QS3500 to 4000 | 128, 128IL | 6, 7* | 1.88 (47.88) | 3.50 (88.9) | 1.63 (41.4) | 3.00 (76.2) | 1.06 (27.0) | 1.06 (27.0) | - | - | - | 1/2-20-1/2 Deep |
| A15QS4500 to 6000 | 128 | 8 | 2.38 (60.5) | 5.75 (146) | 1.88 (47.7) | 5.00 (127) | 1.50 (38.1) | 1.50 (38.1) | - | - | - | 1/2-20-1/2 Deep |

* Optional Trigger Indicator (TI) and/or (IL) indicator.

