Fusetron®
Dual-Element, Time-Delay Fuses
Class RK5 – 600 Volt

Catalog Symbol: FRS-R
Dual-Element, Time-Delay - 10 second (minimum) at 500% rated current
Current-Limiting

Ampere Rating: \( \frac{1}{10} \) to 60A
Voltage Rating: 600Vac (or less)
Interrupting Rating: 200,000A RMS Sym.
dc Ratings (20,000AIC @ 250Vdc)

Agency Information:
UL Listed, Std. 248-12, Class RK5, Guide J DDZ, File E4273
CSA Certified, C22.2 No. 248.12, Class 1422-02, File 53787

Catalog Numbers
FRS-R-\( \frac{1}{10} \) FRS-R-\( \frac{1}{2} \) FRS-R-\( \frac{5}{8} \)
FRS-R-\( \frac{3}{4} \) FRS-R-1 FRS-R-\( \frac{5}{2} \)
FRS-R-2 FRS-R-\( \frac{1}{2} \) FRS-R-3
FRS-R-\( \frac{5}{8} \) FRS-R-4 FRS-R-\( \frac{3}{4} \)
FRS-R-5 FRS-R-\( \frac{1}{2} \) FRS-R-6
FRS-R-6 FRS-R-\( \frac{3}{4} \) FRS-R-7
FRS-R-7 FRS-R-\( \frac{5}{8} \) FRS-R-8

Carton Quantity and Weight
<table>
<thead>
<tr>
<th>Ampere Ratings</th>
<th>Carton Qty.</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \frac{1}{10} ) - 15</td>
<td>10</td>
<td>0.40 0.181</td>
</tr>
<tr>
<td>17.5 - 30</td>
<td>10</td>
<td>0.50 0.277</td>
</tr>
<tr>
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<td>3.10 1.406</td>
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</tbody>
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*Weight per carton.

Fuse Reducers For Class R Fuses

Recommended fuseblocks for Class R 600V fuses
See Data Sheet: 1111

General Information:
- Provides motor overload, ground fault and short-circuit protection. When used in circuits subject to surge currents such as those caused by motors, transformers and other inductive components, these fuses can be sized close to full-load amperes to give maximum overcurrent protection.
- Permits the use of smaller and less costly switches. The time-delay feature makes it possible to use fuse ampere ratings which are much smaller than those of non-time-delay fuses. Considerable cost saving occurs by permitting the use of smaller size switches, panels and fuses themselves.
- Provides a higher degree of short-circuit protection (greater current-limitation) in circuits in which surge currents or temporary overloads occur.
- Helps protect motors against burnout from overloads.
- Gives motor running back-up protection to motors without extra costs.
- Helps protect motors against burnout from single phasing on three phase systems.
- Simplifies and improves blackout prevention (selective coordination).
- Dual-element fuses can be applied in circuits subject to temporary motor overloads and surge currents to provide both high-performance, short-circuit and overload protection.
- The overload element provides protection against low level overcurrent of overloads and will hold an overload which is five times greater than the ampere rating of the fuse for a minimum of ten seconds.

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Recommended fuseblocks for Class R 600V fuses
See Data Sheet: 1111

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- Provides a higher degree of short-circuit protection (greater current-limitation) in circuits in which surge currents or temporary overloads occur.
- Helps protect motors against burnout from overloads.
- Gives motor running back-up protection to motors without extra costs.
- Helps protect motors against burnout from single phasing on three phase systems.
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