Contents

Description                                                                 Page

Ground trip – inverse time KA510R2 accessory series connection, no C.T. .................. 2
Ground trip – inverse time KA510R2 accessory parallel connection, no C.T. .................. 3
Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 100:5 ratio. ............... 4
Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 150:5 ratio. ............... 5
Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 200:5 and 250:5 ratios. ........................................ 6
Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 300:5 to 600:5 ratio ........................................ 7
Ground trip – inverse time KA510R2 accessory parallel connection, bushing C.T. all ratios ............... 8
Ground trip – definite time KA510R2 accessory series and parallel connection all ratios ............... 9
Ground trip – inverse time KA510R4 accessory modified fast curves ........................................ 10
Ground trip – inverse time KA510R5 KTR280A7 accessory ........................................ 11

Types R, RV, RX, VW, VWV, W, WV

time-current curves
Trip Curves TC280007EN
Types R, RV, RX, VW, VWV, W, WV time/current curves

Effective August 2017

Type R–No. 5460 & Up
Type W–No. 784 & Up

Ground trip – inverse time KA510R2 accessory series connection, no C.T.
Curve 1-2, 1-3: Maximum clearing time for one operation, variations negative
Curves 2 & 3: Average clearing time for one operation, variations ±10%
Tests conducted at 25 C
Types R, RV, RX, VW, VWV, W, WV time/current curves

Ground trip – inverse time KA510R2 accessory parallel connection, no C.T.

Curve 1-2, 1-3: Maximum clearing time for one operation, variations negative
Curves 2 & 3: Average clearing time for one operation, variations ±10%
Tests conducted at 25°C

Effective August 2017
Type R–No. 5460 & Up
Type W–No. 784 & Up

Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 100:5 ratio

Curve 1-2, 1-3: Maximum clearing time for one operation, variations negative
Curves 2 & 3: Average clearing time for one operation, variations ±10%
Tests conducted at 25°C
Types R, RV, RX, VW, VWV, W, WV time/current curves

Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 150:5 ratio

Curve 1-2, 1-3: Maximum clearing time for one operation, variations negative
Curves 2 & 3: Average clearing time for one operation, variations ±10%
Tests conducted at 25 °C

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Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 200:5 and 250:5 ratios

Curve 1-2, 1-3: Maximum clearing time for one operation, variations negative
Curves 2 & 3: Average clearing time for one operation, variations ±10%
Tests conducted at 25°C
Note: Index curves to 133 Amps minimum trip for 250:5 Ratio
Ground trip – inverse time KA510R2 accessory series connection, bushing C.T. 300:5 to 600:5 ratio

Curve 1-2, 1-3: Maximum clearing time for one operation, variations negative
Curves 2 & 3: Average clearing time for one operation, variations ±10%
Tests conducted at 25 C
Note: Index curves to other minimum trip settings. (204, 227, 250, or 300 Amps)
Ground trip – inverse time KA510R2 accessory parallel connection, bushing C.T. all ratios

Curve 1-2, 1-3: Maximum clearing time for one operation, variations negative
Curves 2 & 3: Average clearing time for one operation, variations ±10%
Tests conducted at 25°C
Note: Index curves to other minimum trip settings. (156, 204, 250, 300, 400, 450, 500, or 600 Amps)
Ground trip – Definite time KA510R2 accessory series and parallel connection, all ratios

Curve 5-7, 5-8, 5-9: Maximum clearing time for one operation, variations negative
Curves 7, 8, 9: Average clearing time for one operation, variations ±10%
Tests conducted at 25°C
Note: Index curves to other minimum trip settings
Ground trip – inverse time KA510R4 accessory modified fast curves

Curve 1-2, 1-3: Average clearing time to 700 amps ±15%, beyond 700 AMPS variations negative
Tests conducted at 25 C
Note: Select delayed curve #2 or #3 from KA510R2 accessory for C.T. ratio and coil connections being used
Ground trip – inverse time KA510R5 and KTR280A7 accessory

Curve 15A, 15B, 15C, 15D: Maximum clearing time for one operation, variations negative
Curves 16, 17, 18, 19: Average clearing time for one operation, variations ±10%
Tests conducted at 25°C

<table>
<thead>
<tr>
<th>INSTANTANEOUS CURVE</th>
<th>CORRESPONDING DELAYED CURVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>15A</td>
<td>19</td>
</tr>
<tr>
<td>15B</td>
<td>18</td>
</tr>
<tr>
<td>15C</td>
<td>17</td>
</tr>
<tr>
<td>15D</td>
<td>16</td>
</tr>
</tbody>
</table>

Trip Curves TC280007EN
Effective August 2017

Types R, RV, RX, VW, VWV, W, WV time/current curves

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