PARALLEL CONNECTION OF FUSE-LINKS

To increase the rated current of the fuses, the fuse-links can be connected in parallel as pairs of P50U... or quads of P50T06, provided the following conditions are met:

- Fuses for parallel connection must be of identical type and rated current with max. 5% difference of d.c. voltage drop. The suitable combinations are selected by the manufacturer on the basis of purchase order.

- Fuses are connected to the terminals for pairs or quads of fuse-links, which dimensional sketches are shown in this chapter.

Parameters of the sets:
- The values of power losses are approximately equal to the sum of values of power losses of individual fuses. The time/current characteristic of the set is identical to the time/current characteristic of individual fuse. The values of expected current must be multiplied by the number of fuses connected in parallel. The values of I²t of the set are equal to the product of I²t of individual fuse and square of the number of parallel fuses.

Example:
4 fuses connected in parallel with I²t for selected current 50 000 A²s.
I²t of the set: 50 000 x 4² = 800 000 A²s

Parameters for semiconductor protection

H33
PARALLEL CONNECTION OF FUSE-LINKS

Dimensions

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<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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