

# Phase-control thyristors

| Type       | $V_{DRM}$<br>$V_{RRM}$<br>V | $I_{TAV}$<br>A | $I_{TRMS}$<br>A | $I_{TSM}$<br>25°C; 10ms<br>A | $\int i^2 dt$<br>25°C<br>A <sup>2</sup> s | $(dv/dt)_{cr}$<br>V/ $\mu$ s | $(di/dt)_{cr}$<br>A/ $\mu$ s | $t_q$ typ.<br>$\mu$ s | $T_{Jmax}$<br>°C | $R_{th JC}$<br>K/W | Fig. |
|------------|-----------------------------|----------------|-----------------|------------------------------|-------------------------------------------|------------------------------|------------------------------|-----------------------|------------------|--------------------|------|
| BSStF35 40 | 600                         | 32             | 50              | 600                          | 1 800                                     | 500<br>S10: 1000             | 150                          | 150                   | 125              | 0,63               | 1,2  |
| BSStF35 60 | 900                         |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStF35 80 | 1 200                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStF35 90 | 1 350                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStF35110 | 1 650                       | 85             | 135             | 1 500                        | 11 250                                    | 500<br>S10: 1000             | 100                          | 150                   | 125              | 0,3                | 3    |
| BSStH35 40 | 600                         |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStH35 60 | 900                         |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStH35 80 | 1 200                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStH35 90 | 1 350                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStH35110 | 1 650                       | 150            | 235             | 2 900                        | 42 000                                    | 500<br>S10: 1000             | 100                          | 200                   | 125              | 0,22               | 4    |
| BSStL35 60 | 900                         |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStL35 80 | 1 200                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStL35 90 | 1 350                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStL35110 | 1 650                       | 280            | 440             | 6 160                        | 190 000                                   | 500<br>S10: 1000             | 100                          | 200                   | 125              | 0,12               | 5    |
| BSStN35 60 | 900                         |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStN35 80 | 1 200                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStN35 90 | 1 350                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStN35110 | 1 650                       | 350            | 550             | 10 950                       | 600 000                                   | 500<br>S10: 1000             | 100                          | 200                   | 125              | 0,09               | 5    |
| BSStP35 60 | 900                         |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStP35 80 | 1 200                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStP35 90 | 1 400                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStP35110 | 1 650                       | 320            | 500             | 7 500                        | 280 000                                   | 500<br>S10: 1000             | 50                           | 300                   | 125              | 0,095              | 5    |
| BSStP36133 | 2 000                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStP36146 | 2 200                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |
| BSStP36166 | 2 500                       |                |                 |                              |                                           |                              |                              |                       |                  |                    |      |

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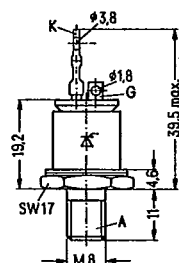


Fig. 1

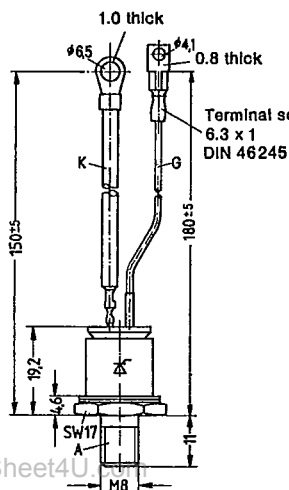


Fig. 2

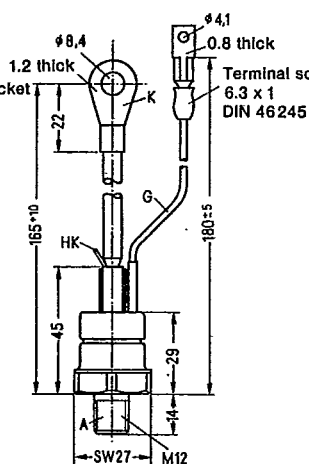


Fig. 3

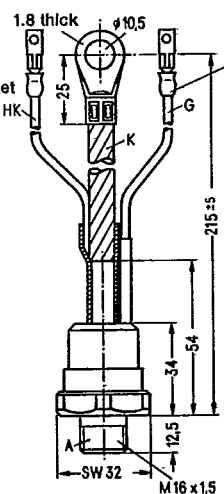


Fig. 4

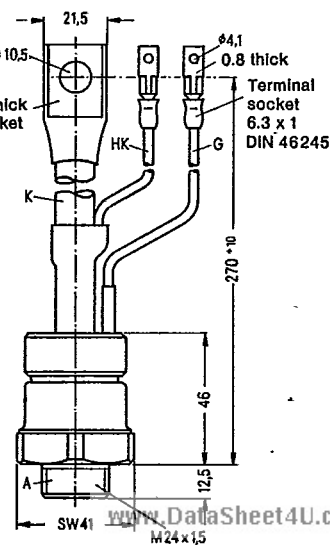


Fig. 5

Dimensions in mm

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