



**4.10 100 kVAr capacitive, 400 V**

|  |   |   |
|--|---|---|
| Type   | <b>3TA162H2-***18B-0*, 3TA162H2-***18C-0*</b> |   |
| Nominal power                                      | at 45 °C<br>at 25 °C                          | 100 kVAr (capacitive)<br>130 kVAr (capacitive)  |
| Nominal voltage                                    |   | 400 V (+/- 10 %)  |
| Nominal current                                    | at 45 °C<br>at 25 °C                          | 144 A<br>187 A  |
| $i^2t$ ( $T_{vj} = 125\text{ °C}$ ; 8.3 ... 10 ms) |   | 125000 A <sup>2</sup> s   |
| $V_{RRM}, V_{DRM}$                                 |   | 1800 V  |
| Modules  |   | 2 x Thyristor-Diode   |
| Discharge capacitors                               |   | <b>CAUTION!</b><br>It's <b>not allowed</b> to use discharge reactors!<br>Using <b>special discharging resistors</b> with thyristor switches is <b>mandatory!</b><br>Please contact your capacitor manufacturer! |
| Recovery time                                      |   | Typically 1 period  |
| Switched phases                                    |   | 2, half controlled  |
| Supply voltage                                     |   | From power circuit<br><b>(optional: external power supply)</b>  |
| Max. consumption power supply                      |   | 9 VA  |
| Voltage trigger signal                             |   | 8 – 30 V DC   |
| Consumption trigger input                          |   | 5 mA at 12 V DC<br>10 mA at 24 V DC   |
| Over temperature protection                        |   | Integrated  |
| Dimensions H x W x D                               |   | Approx. 250 mm x 156 mm x 217 mm  |
| Weight   |   | Approx. 5.6 kg  |
| Power losses at nominal current                    |   | 284 W   |
| Cooling  |   | Forced convection<br>Fan supply voltage <b>B</b> = 115 V AC or <b>C</b> = 230 V AC, 50/60 Hz  |
| Protection class                                   |   | IP10  |
| Humidity   |   | 10 % - 95 % (without moisture condensation)   |
| Max. altitude                                      |   | 1000 m above sea level<br>Operation at a higher altitude is possible with reduced power   |
| Min. ambient temperature                           |   | -10 °C  |
| Max. ambient temperature                           |   | +45 °C (operation with nominal power)<br>+65 °C (operation with reduced power)  |