



## 4. Technical Data

### 4.1 50 kVAr capacitive, 690 V

Type	<b>3TB115H2-E*36X-0*</b>	
Nominal power	at 45 °C at 25 °C	50 kVAr (capacitive) 65 kVAr (capacitive)
Nominal voltage	690 V (+/- 10 %)	
Nominal current	at 45 °C at 25 °C	42 A 54 A
$i^2t$ ( $T_{vj} = 125$ °C; 8.3 ... 10 ms)	29000 A <sup>2</sup> s	
$V_{RRM}, V_{DRM}$	3600 V	
Modules	2 x Thyristor-Diode	
Discharge capacitors	<p><b>CAUTION!</b>                      It's <b>not allowed</b> to use discharge reactors!                      Using <b>special discharging resistors</b> with thyristor switches is <b>mandatory!</b>                      Please contact your capacitor manufacturer!</p>	
Recovery time	Typically 1 period	
Switched phases	2, half controlled	
Supply voltage	External supply voltage <b>B = 115 V AC or C = 230 V AC, 50/60 Hz</b>	
Max. consumption power supply	9 VA	
Voltage trigger signal	8 – 30 V DC	
Consumption trigger input	5 mA at 12 V DC 10 mA at 24 V DC	
Over temperature protection	Integrated	
Dimensions H x W x D	Approx. 200 mm x 156 mm x 243 mm	
Weight	Approx. 5.5 kg	
Power losses at nominal current	82 W	
Cooling	Air Natural (AN)	
Protection class	IP10	
Humidity	10 % - 95 % (without moisture condensation)	
Max. altitude	1000 m above sea level Operation at a higher altitude is possible with reduced power	
Min. ambient temperature	-10 °C	
Max. ambient temperature	+45 °C (operation with nominal power) +65 °C (operation with reduced power)	