



4. Technical Data

4.1 25 kVAr capacitive, 400 V

Type	3TA042H2-**18X-0*	
Nominal power	at 45 °C at 25 °C	25 kVAr (capacitive) 32 kVAr (capacitive)
Nominal voltage	400 V (+/- 10 %)	
Nominal current	at 45 °C at 25 °C	36 A 47 A
i^2t ($T_{vj} = 125$ °C; 8.3 ... 10 ms)	3600 A ² s	
V_{RRM} , V_{DRM}	1800 V	
Modules	2 x Thyristor-Diode	
Discharge capacitors	<p>CAUTION! It's not allowed to use discharge reactors! Using special discharging resistors with thyristor switches is mandatory! Please contact your capacitor manufacturer!</p>	
Recovery time	Typically 1 period	
Switched phases	2, half controlled	
Supply voltage	From power circuit (optional: external power supply)	
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 217 mm	
Weight	Approx. 5.1 kg	
Power losses at nominal current	77 W	
Cooling	Natural convection	
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)	