

TA series Site Transformers

Blakley Electrics TA series Site Transformers are manufactured in accordance with BS4363:1998 and provide a 110 Volt Reduced Low Voltage (RLV) Supply to BS7671 (IEE Wiring Regulations). They are available in power ratings from 5 to 20 kVA, single-phase and three-phase, with different distribution arrangements of MCB protected sockets and lighting glands.

Standard Configurations

Type	Item No.	Rating	Input MCB	Distribution	Wt, kg
TA/P/1/5/S5	S210237	5 kVA single-phase	25A DP	4 x 16A sockets, 1 x 32A socket #	59
TA/P/1/10/S6	S210238	10 kVA single-phase	50A DP	4 x 16A sockets, 2 x 32A sockets #	82
TA/P/1/10/S6/C2	S210214	10 kVA single-phase	50A DP	As S210238 + 2 x 20mm lighting glands	82
TA/P/1/10/C6	S210259	10 kVA single-phase	50A DP	6 x 16A DP MCBs each with 20mm lighting gland	82
TA/P/3/10/S6	S210230	10 kVA three-phase	16A TP	4 x 16A sockets, 2 x 32A sockets ##	89
TA/P/3/10/S6/C2	S210231	10 kVA three-phase	16A TP	As S210230 + 2 x 20mm lighting glands	89
TA/P/3/10/C6	S210260	10 kVA three-phase	16A TP	6 x 16A DP MCBs each with 20mm lighting gland	89
TA/P/3/20/S12	S210122	20 kVA three-phase	25A TP	8 x 16A sockets, 4 x 32A sockets ##	190

= 2 x 16A sockets protected by 1 x 16A DP MCB. ## = Each 16A socket protected by 1 x 16A DP MCB.

All 32A sockets are individually protected by 32A DP MCBs. Each 20mm gland is pre-wired to an individual 16A DP MCB.

All MCBs are Merlin Gerin C60H series to BS EN 60898. Input MCBs are Type "D" and output MCBs are Type "C".

Enclosures

TA series enclosures are non-vented and provide ingress protection to IP44. They are manufactured from 1.5mm mild steel and are of seam welded construction. Enclosures are phosphate pre-treated prior to polyester powder coating, shade Traffic Yellow. MCBs are protected by a steel, hinged cover with quick release fastener.

Windings

Transformer windings are continuously rated and manufactured in accordance with BS EN 61558 Parts 1, 4 and 23. Standard ratings are 5 or 10 kVA single-phase and 10 or 20 kVA three-phase. Single-phase transformers have a voltage ratio of 230:110CTE and three-phase transformers have a voltage ratio of 400:110NE, Delta/Star.



Item illustrated is S210231, 10 kVA three-phase with 2 no. additional MCBs for lighting circuits

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