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Date:	February 2019	Pages:	3



TA35

Thermal circuit breaker 1-, 2- or 3-pole

- **Unique UL rating of 277 VAC**
- **Rocker actuated**
- **Various colour switches**
- **IP 65 with optional cover**

Product

With the TA35 series, SCHURTER offers a particularly versatile generation of miniature circuit breakers with a newly attained UL rating of 277 VAC, the North America rating for 1 of 3 phase used in lighting applications and other mains connected 1-phase devices. They are available in 1-, 2- or 3-pole versions and are especially impressive with their compact and attractive design.

The TA35 offers both the function of a ON/OFF switch and thermal overcurrent protection. Finely graduated rated currents are available from 0.05 A to 20 A for 1-pole and 2-pole circuit breakers, and 0.05 A to 12 A for 3-pole circuit breakers. An optional protective cover offers an IP 65 degree of protection, making the switch suitable for use in harsh environments exposed to dust and splashing water.

The rocker switch can be supplied with or without illumination in six colours with standard print legends, or customer-specific symbols. The circuit breakers are designed for efficient snap-in mounting in panel thicknesses from 1 to 4 mm. The terminals are quick-connect 6.3 x 0.8 mm.

Applications for the TA35, with its increased rating, are commercial lighting and power distribution. Other 1-phase mains connected applications include power generators, cleaning equipment, laboratory equipment for chemical and medicinal use, or machines for food service or processing.

Technical Data / Approvals / Prices

The rated AC voltage according to UL was increased to 277 VAC for all non-illuminated 1-pole and 2-pole versions. The voltage rating according to IEC remains at 240 VAC.

Additional technical data including order numbers and approval information can be found on the data sheet [1] on the SCHURTER Website.

Applications

In addition to the wide application areas of the TA35, the new rating of 277 VAC opens the following new possibilities:

- Industrial lighting arrays (277 VAC)
- Medical and laboratory equipment (277 VAC)
- Industrial Power (277 VAC)
 - o power supplies
 - o power distribution strips
 - o surge/transient voltage suppressors
 - o power conditioners
 - o step down transformers

Training & CAD Data

Training documentation with application specific information is on the Partner Service [3]. CAD data [5] are available on our Website.

Availability

All articles are available with 277 VAC rating from the start (Exceptions below).

The following TA35 variants are delivered as a 240 VAC rated version until stock depletion or latest wk 32/19: 4435.0041, 4435.0013 and 4435.0040. Old and new variants can be distinguished based on the rating on the product label (240 VAC vs 277 VAC).

Please check your local inventory carefully when your customer is asking for a 277 VAC variant! If you require delivery of a 277 VAC rated version of these articles before wk 32/19, kindly ask your local sales representative.

Advertising & PR Text

The Product news [4] on the SCHURTER Website has been updated with the TA35 277 VAC. PR text and advertisement in German and English as well as the PR photo are available on the Partner Service [3].

Competition

The known competition is limited to 240 VAC applications.

If you have any questions please do not hesitate to contact us.

Kind regards

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Sales Information Links

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| [1] Technical data | https://www.schurter.com/datasheet/TA35_Rocker_1Pole
https://www.schurter.com/datasheet/TA35_Rocker_2Pole |
| [2] Approvals information | http://www.schurter.ch/en/Documents-References/Approvals |
| [3] Partner Service | http://www.schurter.com/Partner-Information/Partner-Service |
| [4] Product news | https://www.schurter.com/en/Newsroom?pgr=circuit breaker |
| [5] CAD data | http://www.schurter.ch/en/Documents-References/CAD-Drawings |
| [6] Stock check | http://www.schurter.ch/en/Stock-Check |