TA25DU-M THERMAL OVERLOAD RELAYS

Product Data Sheet

TA25DU-1.8M 1SAZ211201R2025

Adjustable thermal overload relay

CURRENT ADJUSTMENT RANGE	TRIP CLASS	MAIN-CIRCUIT VOLTAGE LIMITS	POLE COUNT
1.3-1.8 A	**10A**	**690 V AC or 440 V DC**	**3**

ABB TA25DU-1.8M 1SAZ211201R2025 is a TA25DU-M thermal overload relay with a 1.3-1.8 A setting range and trip class 10A. It provides electromechanical overload and phase-failure protection for the connected motor circuit, with temperature compensation across its specified operating range.

01 TECHNICAL DATA

Current adjustment range	1.3-1.8 A
Trip class	10A
Main-circuit voltage limits	690 V AC or 440 V DC
Pole count	3
Trip auxiliary contact	1 NC
Signal auxiliary contact	1 NO
Auxiliary thermal current	5 A for NC and NO circuits
Reset selection	Automatic or manual
Reset mechanism	Trip-free
Front functions	STOP, TEST and trip indication

02 ADDITIONAL PRODUCT DATA

Temperature compensation	-25 to +55 C
Housing protection	IP20; main terminals IP10
Pollution degree	3
Maximum altitude	2000 m
Main-circuit conductors	0.75-4 mm2, according to conductor execution

03 PRODUCT FUNCTION

A normally closed trip contact and normally open signal contact provide the auxiliary indications. The relay includes selectable manual or automatic reset, a trip-free mechanism, STOP and TEST functions and a visible trip indication. It mounts directly to the documented block contactors; a separate mounting kit is an accessory rather than part of the relay by default.

04 SYSTEM COMPATIBILITY

Connect the NC trip contact to the intended shutdown circuit and the NO contact to the signal circuit. The main circuit is rated up to 690 V AC or 440 V DC under the source conditions; the auxiliary free-air thermal current is 5 A. Follow the conductor type and terminal limits rather than applying the main-circuit rating to every auxiliary duty.

05 REFERENCE

ABB TA25DU-1.8M, product 1SAZ211201R2025, manufacturer product data, pages 1-4.

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