

TA25DU-1.8M 1SAZ211201R2025

ABB Thermal overload relay

ABB TA25DU-1.8M 1SAZ211201R2025 is a three-pole thermal overload relay for motor protection and control. The ABB catalog identifies the 1.8 A class-10A relay for direct mounting with compatible ABB contactors.

Complete model

TA25DU-1.8M 1SAZ211201R2025

Product type

Thermal overload relay

Poles

3

Rated operational current Ie

1.8 A

System role and installation context

The relay responds to motor overload and phase-failure conditions and changes its auxiliary contact state for the control circuit. It is paired with a compatible ABB contactor and motor starter assembly in industrial motor-control panels.

Signal and system path

Motor-current thermal overload condition; auxiliary 1 NO + 1 NC control contacts.

Companion components

Compatible ABB contactor, motor starter, conductors, short-circuit protective device and the panel control circuit documented for the motor.

Industrial application

Direct-on-line and contactor-controlled motor feeders where thermal overload protection and control-circuit trip indication are required.

Verified technical parameters

Complete model	TA25DU-1.8M 1SAZ211201R2025
Product type	Thermal overload relay
Poles	3
Rated operational current Ie	1.8 A
Adjustment range	1.3–1.8 A
Trip class	10A
Rated operational voltage Ue	690 V AC
Frequency	DC; 50/60 Hz
Auxiliary contacts	1 NO + 1 NC
Rated insulation voltage Ui	690 V
Mounting	Direct mounting on contactor

Model-specific precautions

1

Set the relay only within the current range and starter design specified for the motor.

2

Coordinate the relay with the ABB contactor and the feeder short-circuit protective device.

3

De-energize the feeder before changing power or auxiliary wiring.

4

Verify NC/NO contact assignment in the control circuit before energization.

5

Check the 50/60 Hz or DC application and the stated 0–400 Hz operating range.

6

Test trip indication and reset behavior under the approved motor commissioning procedure.

Manufacturer sources

ABB Motor protection and control main catalog, 1SBC100179C0201

Contact

WHATSAPP / PHONE +86 180 3023 5313 | EMAIL sales13@apterpower.com | WEBSITE www.apterpower.com

