TA25DU-M

Thermal Overload Relay

CONTROLLED ENGINEERING COPY

ABB TA25DU-M is a three-pole, phase-loss-sensitive thermal overload relay with trip class 10A, one normally open and one normally closed auxiliary contact for documented motor-protection circuits.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	TA25DU-M
Manufacturer	ABB
System family	ABB TA25DU motor protection
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

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01 PRE-INSTALLATION PLAN

1. Confirm the complete TA25DU-M marking and controlled maintenance record before work.
2. Place the documented ABB contactor and motor feeder and associated machine or process in the approved maintenance state.
3. Isolate the documented power, signal and protection circuits before disconnecting TA25DU-M.
4. Record the installed position, three main poles, 95-96 NC contact, 97-98 NO contact and reset/test controls, polarity, shielding and grounding.
5. Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.

MATCHED HARDWARE

- TA25DU-M with complete identity
- documented ABB contactor and motor feeder
- three main poles, 95-96 NC contact, 97-98 NO contact and reset/test controls
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	TA25DU-M recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Type	TA25DU-M
Rated operational voltage	690 V AC
Frequency	DC or 50/60 Hz; 0 to 400 Hz range
Trip class	10A
Poles	3
Auxiliary contacts	1 NO + 1 NC
Phase-loss sensitive	Yes
Housing protection	IP20
Operating temperature	-25 to +55 deg C
Country of origin	Sweden
HS code	8537101190

FIELD NOTE

Confirm TA25DU-M, documented ABB contactor and motor feeder, three main poles, 95-96 NC contact, 97-98 NO contact and reset/test controls, installed position, polarity, shielding, grounding, configuration, diagnostics and controlled functional-test evidence before commissioning.

RELATED APTER POWER PAGES

330101-00-12-15-02-05 330101-00-31-20-02-05 330130-060-01-05 330703-00-50-10-12-05

330101-00-39-15-11-00 330930-060-07-05 330908-00-60-10-01-00 330902-00-90-05-02-00

03 COMMISSIONING WORKFLOW

1. Confirm the complete TA25DU-M marking and controlled maintenance record before work.
2. Place the documented ABB contactor and motor feeder and associated machine or process in the approved maintenance state.
3. Isolate the documented power, signal and protection circuits before disconnecting TA25DU-M.
4. Record the installed position, three main poles, 95-96 NC contact, 97-98 NO contact and reset/test controls, polarity, shielding and grounding.
5. Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.
6. Restore the exact documented ABB contactor and motor feeder configuration, channel assignments and mechanical arrangement.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	TA25DU-M
Physical interface	three main poles, 95-96 NC contact, 97-98 NO contact and reset/test controls matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled motor overload and phase-loss protection response recorded

04 RETURN-TO-SERVICE RECORD

- [ ] Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.
- [ ] Restore the exact documented ABB contactor and motor feeder configuration, channel assignments and mechanical arrangement.
- [ ] Review live diagnostics, bias, trip or channel status after controlled energization.
- [ ] Verify the intended motor overload and phase-loss protection response and retain acceptance evidence before release.

VERIFICATION RECORD

PRODUCT IDENTITY	TA25DU-M
INSTALLED POSITION	Documented documented ABB contactor and motor feeder position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- [ ] Confirm the exact model remains assigned to the documented host position.
- [ ] Verify every mating interface and field connection against the as-found record.
- [ ] Exercise the intended product function under controlled conditions.
- [ ] Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

TA25DU-M Thermal Overload Relays Technical Data | ABB motor protection and control catalog 1SBC100179C0201