APTER POWER

COMPLETE PRODUCT INFORMATION

TA25DU-M

Thermal Overload Relay

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.

PRODUCT SNAPSHOT

BRAND ABB	**FAMILY** ABB TA25DU motor protection
PART TA25DU-M	**ORIGIN / HS** Sweden / 8537101190

APTER POWER

WHATSAPP / PHONE

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SHIP FROM

Xiamen, Fujian, China

PRODUCT OVERVIEW

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.

- Provides trip class 10A overload protection
- Responds to phase loss
- Uses one NO and one NC auxiliary contact
- Supports contactor or DIN-rail mounting with approved hardware

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The product performs motor overload and phase-loss protection in the documented documented ABB contactor and motor feeder. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
Phase-loss sensitive	Yes
Housing protection	IP20
Operating temperature	-25 to +55 deg C
Country of origin	Sweden
HS code	8537101190

TECHNICAL 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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Motor feeder protection

Trips the documented contactor control circuit on overload.

Phase-loss protection

Protects a three-phase motor feeder from abnormal current balance.

Control-panel maintenance

Restores the exact auxiliary-contact and current-setting record.

Trip-function verification

Supports controlled reset, test and contact-response checks.

PRODUCT PRECAUTIONS

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
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,
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
7. Review live diagnostics, bias, trip or channel status after controlled energization.
8. Verify the intended motor overload and phase-loss protection response and retain acceptance evidence

ENGINEER FAQ

Q1 How is the exact TA25DU-M execution identified?

Match the complete TA25DU-M marking, manufacturer record and installed-position record; do not substitute by appearance.

Q2 What documented role does TA25DU-M perform?

It performs motor overload and phase-loss protection in the documented documented ABB contactor and motor feeder.

Q3 Which host must be matched before fitting TA25DU-M?

Match the exact documented ABB contactor and motor feeder, channel, rack or system position shown in the controlled site record.

Q4 Which interfaces must be recorded for TA25DU-M?

Record three main poles, 95-96 NC contact, 97-98 NO contact and reset/test controls, together with mounting, polarity, shielding, grounding and cable routing.

Q5 What isolation controls apply to TA25DU-M?

Isolate the documented power, signal and protection circuits before disconnecting TA25DU-M.

Q6 What must be restored after installing TA25DU-M?

Restore the exact documented ABB contactor and motor feeder configuration, channel assignments and mechanical arrangement.

Q7 What proves TA25DU-M is ready for service?

Retain diagnostics and a controlled motor overload and phase-loss protection response test with alarms or interlocks where applicable.

Q8 Which manufacturer record supports the TA25DU-M page?

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

RELATED APTER POWER PAGES

330171-00-47-10-01-05	330105-XX-XX-10-02-05-MOD-15	330101-14-30-10-02-05	330101-01-50-10-02-05
330190-085-01-00	330102-25-40-10-02-05	330104-00-11-50-02-00	330101-00-12-20-02-05

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

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