



 PRODUCT-DETAILS

TA25DU-19M

TA25DU-19M Thermal Overload Relay



General Information

Extended Product Type:	TA25DU-19M
Product ID:	1SAZ211201R2047
EAN:	4013614482564
Catalog Description:	TA25DU-19M Thermal Overload Relay
Long Description:	TA25DU-19M (13.0-19.0A) thermal overload relay is an economic electromechanical protection device for the main circuit. It offers reliable and fast protection for motors in the event of overload or phase failure. The device has trip class 10A. Further features are the temperature compensation, trip contact (NC), signal contact (NO), automatic or manual reset selectable, trip-free mechanism, STOP- and Test function and a trip indication. The overload relays are connected directly to the block contactors. Single mounting kits are available as accessory.
Display Name:	TA25DU-19M

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Instructions and Manuals:	2CDC106031M6802
Time-Current Characteristic Curve:	1SAZ200501F0016
CAD Dimensional Drawing:	2CDC001079B0201

Dimensions

Product Net Width:	44 mm
Product Net Height:	80 mm
Product Net Depth / Length:	94 mm
Product Net Weight:	0.17 kg

Technical

Rated Operational Voltage:	Main Circuit 690 V AC Main Circuit 440 V DC
Rated Operational Current (I _e):	19 A
Rated Frequency (f):	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Main Circuit 60 Hz Main Circuit 50 Hz Main Circuit DC
Number of Poles:	3P
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	1
Number of Protected Poles:	3
Conventional Free-air Thermal Current (I _{th}):	Auxiliary Circuit NC 10 A Auxiliary Circuit NO 6 A
Rated Operational Current AC-15 (I _e):	(120 V) NC 3 A (120 V) NO 1.5 A (240 V) NC 3 A (240 V) NO 1.2 A (400 V) NC 0.75 A (400 V) NO 0.37 A (440 V) NC 0.75 A (440 V) NO 0.37 A (500 V) NC 0.3 A (500 V) NO 0.25 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Pollution Degree:	3
Connecting Capacity Auxiliary Circuit:	Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 0.75 ... 4 mm ²
Connecting Capacity Main Circuit:	Flexible with Ferrule 1x 0.75 ... 4 mm ² Flexible with Ferrule 2x 0.75 ... 4 mm ² Flexible 1x 0.75 ... 4 mm ² Flexible 2x 0.75 ... 4 mm ² Rigid 1x 0.75 ... 4 mm ² Rigid 2x 0.75 ... 4 mm ²

Wire Stripping Length:	Auxiliary Circuit 9 mm Main Circuit 12 mm
Recommended Screw Driver:	Auxiliary Circuit Pozidriv 1 Main Circuit Pozidriv 2
Power Loss:	at Rated Operating Conditions per Pole 1.1 ... 2.3 W
Suitable For:	AX09 AX12 AX18 AX25 AX32 AX40
Standards:	CSA 22.2 No. 14 IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 508

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Contact Rating UL/CSA:	(NC:) B600 (NO:) C600
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 16-8 AWG Stranded 1/2x 16-8 AWG
Connecting Capacity Auxiliary Circuit UL/CSA:	Flexible 1/2x 18-14 AWG Stranded 1/2x 18-14 AWG
Tightening Torque UL/CSA:	Auxiliary Circuit 12 in-lb Main Circuit 12 in-lb

Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C
Maximum Operating Altitude Permissible:	2000 m
Resistance to Shock acc. to IEC 60068-2-27:	25g 2 shocks 13 ms
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA:	2CMT2023-006525

Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
REACH Declaration:	2CMT2021-006202
RoHS Declaration:	2CMT2021-006277
WEEE B2C / B2B:	Business To Business
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions

Environmental Product Declaration - EPD: No declaration needed

Certificates and Declarations

CB Certificate:	1SAA941018-2001
CCC Certificate:	2024010304659818
CCS Certificate:	1SAA941000-0901
CQC Certificate:	CQC2015010309808585
Declaration of Conformity - CCC:	2020980304001319
Declaration of Conformity - CE:	1SAD101100-3501
EAC Certificate:	1SAA941002-2701
RMRS Certificate:	1SAA941000-0704
UL Certificate:	E48139-19970507

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	98 mm
Package Level 1 Height:	82 mm
Package Level 1 Depth / Length:	47 mm
Package Level 1 Gross Weight:	0.19 kg
Package Level 1 EAN:	4013614482564
Package Level 2 Units:	36 piece
Package Level 2 Width:	230 mm
Package Level 2 Height:	310 mm
Package Level 2 Depth / Length:	380 mm
Package Level 2 Gross Weight:	10.946 kg

External Classifications and Standards

ETIM 9:	EC000106 - Thermal overload relay
ETIM 10:	EC000106 - Thermal overload relay
eClass:	V11.0 : 27371501
UNSPSC:	39121520
IDEA Granular Category Code (IGCC):	5364 >> Overload relay
E-Number (Finland):	3707408

Categories

Products > Low Voltage Products and Systems > Control Products > Contactors > Thermal Overload Relays



Submitted by TECO Group