



 PRODUCT-DETAILS

TA25DU-19-20

TA25DU-19-20 Thermal Overload Relay 13 ... 19 A



General Information

Extended Product Type:	TA25DU-19-20
Product ID:	1SAZ211401R1047
EAN:	4013614376597
Catalog Description:	TA25DU-19-20 Thermal Overload Relay 13 ... 19 A
Long Description:	The TA25DU-19-20 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 20. 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-19-20

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Instructions and Manuals:	2CDC106031M6802
Time-Current Characteristic Curve:	1SAZ200503F0010
Dimension Diagram:	1SAZ200402F0001

Dimensions

Product Net Width:	44 mm
Product Net Height:	80 mm
Product Net Depth / Length:	94 mm
Product Net Weight:	0.2 kg

Technical

Setting Range:	13 ... 19 A
Rated Operational Voltage:	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC 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
Rated Impulse Withstand Voltage (U_{imp}):	Auxiliary Circuit 6 kV Main Circuit 6 kV
Rated Insulation Voltage (U_i):	690 V
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

Rated Operational Current DC-13 (I_e):	(125 V) NC 0.25 A (125 V) NO 0.25 A (24 V) NC 1.25 A (24 V) NO 1.25 A (250 V) NC 0.12 A (250 V) NO 0.04 A (60 V) NC 0.25 A (60 V) NO 0.25 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Pollution Degree:	3
Connecting Capacity Auxiliary Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 0.75 ... 4 mm ²
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 1.5 ... 4 mm ² Flexible 1/2x 1.5 ... 4 mm ² Rigid 1/2x 1.5 ... 6 mm ²
Tightening Torque:	Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 1.5 ... 1.9 N·m
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:	A9 A12 A16 A26 A30 A40 AL9 AL12 AL16 AL26 AL30 AL40
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Contact Rating UL/CSA:	(NC:) B600 (NO:) C300
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 14-10 AWG Stranded 1/2x 14-10 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

Ambient Air Temperature Compensation: Yes

Maximum Operating Altitude Permissible: 2000 m

Resistance to Shock acc. to IEC 60068-2-27: 11 ms Pulse 12g
 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)

Certificates and Declarations

ABS Certificate: 1SAA941000-0102

BV Certificate: 1SAA941000-0201

CB Certificate: 1SAA941005-2001

CQC Certificate: CQC2015010309808587

Declaration of Conformity - CCC: 2020980304001318

Declaration of Conformity - CE: 1SAD101100-3509

Declaration of Conformity - UKCA: 1SAD201100-3509

DNV Certificate: 1SAA941000-0304

DNV GL Certificate: 1SAA941000-0304

EAC Certificate: 1SAA941002-2702

GL Certificate: 1SAA941000-0304

LR Certificate: 1SAA941000-0504

RMRS Certificate: 1SAA941000-0704

UL Certificate: E48139-19970507

Container Information

Package Level 1 Units: carton 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: 0.22 kg

Package Level 1 EAN:	4013614376597
Package Level 2 Units:	35 piece
Package Level 2 Width:	280 mm
Package Level 2 Height:	210 mm
Package Level 2 Depth / Length:	395 mm
Package Level 2 Gross Weight:	8.086 kg

External Classifications and Standards

Object Classification Code:	F
ETIM 9:	EC000106 - Thermal overload relay
ETIM 10:	EC000106 - Thermal overload relay
eClass:	V11.0 : 27371501
UNSPSC:	39122330
IDEA Granular Category Code (IGCC):	5366 >> Thermal overload relay

Categories

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

