

PRODUCT-DETAILS

# TA25DU-0.4

## TA25DU-0.4 Thermal Overload Relay



### Informations générales

Extension du type de produit	TA25DU-0.4
Code de produit	1SAZ211201R1013
EAN	4013614216497
Description courte	TA25DU-0.4 Thermal Overload Relay
Description longue	The TA25DU-0.4 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.

### Commande

Quantité minimum	1 pièce
Code douanier	85364900

### Downloads Préférés

Fiche produit, informations techniques	1SBC100173C0201
Instructions et manuels	2CDC106031M6802
Time-Current Characteristic Curve	1SAZ200501F0003
Dimension Diagram	1SAZ200402F0001

## Dimensions

Produit Largeur Net	44 mm
Produit Hauteur Net	80 mm
Produit Longueur Net	94 mm
Poids net	0.15 kg

## Technique

Setting Range	0.25 ... 0.40 A
Tension	Circuit auxiliaire 440 V DC Circuit auxiliaire 500 V AC Circuit principal 690 V AC
Rated Operational Current ( $I_e$ )	0.4 A
Courant assignée d'emploi AC-3 ( $I_e$ )	0.4 A
Fréquence assignée (f)	Circuit auxiliaire 50 Hz Circuit auxiliaire 60 Hz Circuit auxiliaire DC Circuit principal 60 Hz Circuit principal 50 Hz Circuit principal DC
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Circuit auxiliaire 6 kV Circuit principal 6 kV
Tension assignée d'isolement ( $U_i$ )	690 V
Nombre de pôles	3
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Number of Protected Poles	3
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	Auxiliary Circuit NC 10 A Auxiliary Circuit NO 6 A
Courant assignée d'emploi AC-15 ( $I_e$ )	(120 V) NC 3 A (120 V) NO 1.5 A (240 V) NC 3 A (240 V) NO 1.5 A (400 V) NC 1.9 A (400 V) NO 1 A (440 V) NC 1 A (440 V) NO 1 A (500 V) NC 1 A (500 V) NO 1 A
Courant assignée d'emploi 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
Indice de protection	Housing IP20 Main Circuit Terminals IP10
Degré de pollution	3
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 4 mm <sup>2</sup>
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 0.75 ... 4 mm <sup>2</sup> Flexible with Ferrule 2x 0.75 ... 4 mm <sup>2</sup> Flexible 1x 0.75 ... 4 mm <sup>2</sup> Flexible 2x 0.75 ... 4 mm <sup>2</sup> Rigid 1x 0.75 ... 4 mm <sup>2</sup>

	Rigid 2x 0.75 ... 4 mm <sup>2</sup>
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	Circuit auxiliaire Pozidriv 1 Circuit principal Pozidriv 2
Power Loss	at Rated Operating Conditions per Pole 0.9 W
Suitable For	A9 A12 A16 A26 A30 A40 AL9 AL12 AL16 AL26 AL30 AL40
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 600 V AC
Ampere Rating UL/CSA	0.4 A
Contact Rating UL/CSA	(NC:) B600 (NO:) C300
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

## Environnement

Température de l'air ambiant	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
RoHS Status	Following EU Directive 2011/65/EU

## Certificats et Déclarations (Numéro de document)

ABS Certificate	1SAA941000-0102
BV Certificate	1SAA941000-0201
CB Certificate	1SAA941005-2001
CQC Certificate	CQC2015010309808587
cUL Certificate	cUL_E48139
Declaration of Conformity - CCC	2020980304001318
Déclaration de Conformité	1SAD938517-0043

- CE

DNV Certificate	1SAA941000-0304
DNV GL Certificate	1SAA941000-0304
EAC Certificate	1SAA941002-2702
GL Certificate	1SAA941000-0304
GOST Certificate	1SAA941000-2704
Instructions et manuels	2CDC106031M6802
LR Certificate	1SAA941000-0504
RMRS Certificate	1SAA941000-0704
RoHS Information	1SAD938514-0043
Time-Current Characteristic Curve	1SAZ200501F0003
UL Certificate	UL_E48139

## Emballage

Emballage Niveau 1 Unités	1 pièce
Emballage Niveau 1 Largeur	98 mm
Emballage Niveau 1 Hauteur	82 mm
Emballage Niveau 1 Longueur	47 mm
Emballage Niveau 1 Poids	0.17 kg
Emballage Niveau 1 EAN	4013614216497
Emballage Niveau 2 Unités	48 pièce
Emballage Niveau 2 Largeur	280 mm
Emballage Niveau 2 Hauteur	210 mm
Emballage Niveau 2 Longueur	395 mm
Emballage Niveau 2 Poids	8.546 kg
Emballage Niveau 2 EAN	4013614441936

## Classifications

Object Classification Code	F
ETIM 4	EC000106 - Thermal overload relay
ETIM 5	EC000106 - Thermal overload relay
ETIM 6	EC000106 - relais de surcharge thermique
ETIM 7	EC000106 - Thermal overload relay
eClass	V11.0 : 27371501
UNSPSC	39121520
IDEA Granular Category Code (IGCC)	5364 >> Overload relay
E-Number (Finland)	3709365

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## Lieu d'utilisation

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Identifier	Description	Type
3BHB026772R0003		Kit

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Relais de protection contre les surcharges

