

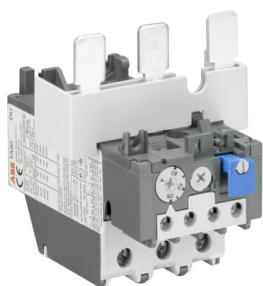



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 PRODUCT-DETAILS

# TA80DU-42

## TA80DU-42 Thermal Overload Relay 29 ... 42 A




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**Algemene informatie**

Type	TA80DU-42
Artikelnummer	1SAZ331201R1003
EAN	4013614216756
Omschrijving	TA80DU-42 Thermal Overload Relay 29 ... 42 A

## Lange omschrijving

The TA80DU-42 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.

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**Bestelinformatie**

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85364900

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**Populaire downloads**

Instructies en	2CDC106080M6802
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handleidingen	
Time-Current Characteristic Curve	1SAZ300501F0003
Dimensiediagram	1SAZ300403F0001

## Afmetingen

Product netto breedte	78 mm
Product netto hoogte	97 mm
Product netto diepte	111 mm
Product netto gewicht	0.36 kg

## Technische specificaties

Instelbereik	29 ... 42 A
Nominaal bedrijfsvoltage	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC Main Circuit 440 V DC
Nominale bedrijfsstroom ( $I_e$ )	42 A
Toegekende frequentie (f)	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Main Circuit 60 Hz Main Circuit 50 Hz Main Circuit DC
Nominale impuls grensvoltage ( $U_{imp}$ )	Auxiliary Circuit 6 kV Main Circuit 6 kV
Nominaal isolatievoltage ( $U_i$ )	690 V
Aantal polen	3P
Aantal hulpcontacten NC	1
Aantal hulpcontacten NO	1
Aantal beveiligde polen	3
Conventionele vrije-lucht thermische stroom ( $I_{th}$ )	Auxiliary Circuit NC 5 A Auxiliary Circuit NO 5 A
Nominale bedrijfsstroom AC-15 ( $I_a$ )	(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
Nominale bedrijfsstroom DC-13 ( $I_a$ )	(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
Beschermingsgraad	IP20 Behuizing IP20 Main Circuit Terminals IP10
Verontreinigingsgraad	3
Verbindingscapaciteit hulpcircuit	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>
Verbindingscapaciteit hoofdcircuit	Flexible with Ferrule 1x 2.5 ... 25 mm <sup>2</sup> Flexible with Ferrule 2x 2.5 ... 10 mm <sup>2</sup> Rigid 1x 2.5 ... 25 mm <sup>2</sup> Rigid 2x 2.5 ... 16 mm <sup>2</sup>
Aanhaalmoment	Auxiliary Circuit 1 ... 1.3 N·m

Kabelstriplengte	Main Circuit 4.5 N-m Auxiliary Circuit 9 mm Main Circuit 14 mm
Aanbevolen schroevendraaier	Auxiliary Circuit Pozidriv 1 Main Circuit Pozidriv 2
Plaats van inbouw	any
Vermogensverlies	at Rated Operating Conditions per Pole 1.5 ... 3.2 W
Geschikt voor	A95 A110 AE95 AE110
Normen	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

## Technische specificaties UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V AC
Contactklasse UL/CSA	(NC:) B600 (NO:) C600
Verbindingscapaciteit hoofdcircuit UL/CSA	Flexible 1/2x 8-1 AWG Stranded 1/2x 8-1 AWG
Verbindingscapaciteit hulpcircuit UL/CSA	Flexible 1/2x 18-14 AWG Stranded 1/2x 18-14 AWG
Aanhaalmoment UL/CSA	Auxiliary Circuit 12 in-lb Main Circuit 40 in-lb

## Milieu

Omgevingsluchttemperatuur	Werking -25 ... +55 °C Operation Compensated -25 ... +55 °C Opslag -40 ... +70 °C
Compensatie omgevingsluchttemperatuur	Ja
Maximale werkhoogte toegestaan	2000 m
Schokweerstand volgens IEC 60068-2-27	11 ms Pulse 12g 25g 2 shocks 13 ms
Weerstand tegen trillingen volgens IEC 60068-2-6	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
RoHS-status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525

## Material Compliance

REACH-verklaring	2CMT2021-006202
RoHS-informatie	2CMT2021-006277
AEEA B2C / B2B	Business To Business
WEEE-categorie	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificaten en verklaringen (documentnummer)

ABS-certificaat	1SAA941000-0102
BV-certificaat	1SAA941000-0201
CB-certificaat	1SAA941017-2001
CCC-certificaat	2024010304659817
CQC-certificaat	CQC2016010309922938

Declaration of Conformity - CCC	2020980304001323
Conformiteitsverklaring - CE	1SAD101100-3509
Declaration of Conformity - UKCA	1SAD201100-3509
DNV-certificaat	1SAA941000-0304
DNV GL-certificaat	1SAA941000-0304
EAC-certificaat	1SAA941002-2702
GL-certificaat	1SAA941000-0304
LR-certificaat	1SAA941000-0504
RMRS-certificaat	1SAA941000-0704
UL-certificaat	E48139-19960918

## Verpakkingsinformatie

Pakketniveau 1 Units	karton 1 stuk
Pakketniveau 1 Breedte	105 mm
Pakketniveau 1 Hoogte	90 mm
Pakketniveau 1 Lengte	125 mm
Pakketniveau 1 Brutogewicht	0.4 kg
Pakketniveau 1 EAN	4013614216756
Pakketniveau 2 Units	16 stuk
Pakketniveau 2 Breedte	280 mm
Pakketniveau 2 Hoogte	210 mm
Pakketniveau 2 Lengte	395 mm
Pakketniveau 2 Brutogewicht	8.786 kg
Pakketniveau 2 EAN	4013614494000

## Externe classificaties en normen

Object classificatiecode	F
ETIM 4	EC000106 - Thermal overload relay
ETIM 5	EC000106 - Thermal overload relay
ETIM 6	EC000106 - Overbelastingsrelais thermisch
ETIM 7	EC000106 - Thermal overload relay
ETIM 8	EC000106 - Overbelastingsrelais thermisch
eClass	V11.0 : 27371501
UNSPSC	39122330
IGCC (IDEA granulaire categoriecode)	5366 >> Thermal overload relay
E-Number (Finland)	3709351

## Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Thermisch overbelastingsrelais

