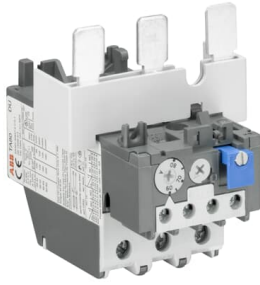




## PRODUCT-DETAILS

## TA80DU-80

## TA80DU-80 Thermal Overload Relay 60 ... 80 A



## genel Bilgi

Geniştirilmiş Ürün Türü	TA80DU-80
Ürün Kimliği	1SAZ331201R1006
EAN	4013614216787
Katalog Açıklaması	TA80DU-80 Thermal Overload Relay 60 ... 80 A

## Uzun Açıklama

The TA80DU-80 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.

## Ordering

Minimum Sipariş Miktarı	1 piece
Gümrük Tarifesi numarası	85364900

## Popular Downloads

Talimatlar ve Kılavuzlar	2CDC106080M6802
Time-Current	1SAZ300501F0006

Characteristic Curve

Boyut Seması

1SAZ300403F0001

## Dimensions

Ürün Net Genişliği	78 mm
Ürün Net Yüksekliği	97 mm
Ürün Net Derinlik / Uzunluk	111 mm
Ürün Net Ağırlığı	0.375 kg

## Technical

Setting Range	60 ... 80 A
Nominal Çalışma Gerilimi	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC Main Circuit 440 V DC
Anma Çalışma Akımı ( $I_e$ )	80 A
Nominal Frekans (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
Kutup Sayısı	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 5 A Auxiliary Circuit NO 5 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
Koruma Derecesi	IP20 Housing IP20 Main Circuit Terminals IP10
Pollution Degree	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 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>

Sıkma Torku	Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 4.5 N·m
Wire Stripping Length	Auxiliary Circuit 9 mm Main Circuit 14 mm
Recommended Screw Driver	Auxiliary Circuit Pozidriv 1 Main Circuit Pozidriv 2
Montaj Konumu	any
Power Loss	at Rated Operating Conditions per Pole 2.2 ... 3.9 W
Şuna Uygun	A95 A110 AE95 AE110
Standartlar	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:) C600
Connecting Capacity Main Circuit UL/CSA	Flexible 1/2x 8-1 AWG Stranded 1/2x 8-1 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 40 in·lb

## Environmental

Ortam Hava Sıcaklığı	Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C
Ambient Air Temperature Compensation	Yes
İzin Verilen Maksimum Çalışma Rakımı	2000 m
IEC 60068-2-27'ye göre Şoka Karşı Direnç	11 ms Pulse 12g 25g 2 shocks 13 ms
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
RoHS Durumu	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525

## Material Compliance

REACH Declaration	2CMT2021-006202
RoHS Bilgileri	2CMT2021-006277
AEEE B2C / B2B	Business To Business
AEEE Kategorisi	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificates and Declarations

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

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

## Container Information

Paket Seviye 1 Birimler	carton 1 piece
Paket Düzey 1 Genişlik	105 mm
Paket Seviye 1 Yükseklik	90 mm
Paket Seviye 1 Derinlik / Uzunluk	125 mm
Paket Seviye 1 Brüt Ağırlık	0.415 kg
Paket Düzey 1 EAN	4013614216787
Paket Seviye 2 Birimler	16 piece
Paket Düzey 2 Genişlik	280 mm
Paket Seviye 2 Yükseklik	210 mm
Paket Seviye 2 Derinlik / Uzunluk	395 mm
Paket Seviye 2 Brüt Ağırlık	8.786 kg
Paket Seviye 2 EAN	4013614494031

## External Classifications and Standards

Nesne Sınıflandırma Kodu	F
ETIM 4	EC000106 - Thermal overload relay
ETIM 5	EC000106 - Thermal overload relay
ETIM 6	EC000106 - Thermal overload relay
ETIM 7	EC000106 - Thermal overload relay
ETIM 8	EC000106 - Thermal overload relay
eSınıf	V11.0 : 27371501
UNSPSC	39122330
IDEA Granüler Kategori Kodu (IGCC)	5366 >> Thermal overload relay
E-Number (Finland)	3709354

katagori

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

