

PRODUCT-DETAILS

TF96-87

TF96-87 Thermal Overload Relay 75 ... 87 A



Algemene informatie

Type	TF96-87
Artikelnummer	1SAZ911201R1005
EAN	4013614483028
Omschrijving	TF96-87 Thermal Overload Relay 75 ... 87 A
Omschrijving	The TF96-87 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 10. Further features are the temperature compensation, trip contact (NC), signal contact (NO), automatic- or manual reset selectable, trip-free mechanism, STOP function and a trip indication. The overload relays are connected directly to the block contactors. Single mounting kits are available as accessory.

Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85364900

Popular Downloads

Gegevensblad, technische informatie	2CDC106069D0201
Instructies en handleidingen	2CDC106052M6803

Instructies en handleidingen (deel 2)	1SAC200017M0002
Ex Operating Instructions	2CDC106086M6801
Time-Current Characteristic Curve	1SAZ900502F0005
CAD Dimensional Drawing	2CDC001079B0201
Dimensiediagram	1SAZ900401F0001

Dimensions

Product netto breedte	69.9 mm
Product netto hoogte	106.9 mm
Product netto diepte	106.3 mm
Product netto gewicht	0.52 kg

Technical

Instelbereik	75 ... 87 A
Nominaal bedrijfsvoltage	Auxiliary Circuit 600 V AC/DC Main Circuit 690 V AC Main Circuit 440 V DC
Nominale bedrijfsstroom (I_e)	87 A
Toegekende frequentie (f)	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Main Circuit 50 Hz Main Circuit 60 Hz
Nominale impuls grensvoltage (U_{imp})	Auxiliary Circuit 6 kV Main Circuit 8 kV
Nominaal isolatievoltage (U_i)	690 V
Aantal polen	3
Aantal hulpcontacten NC	1
Aantal hulpcontacten NO	1
Aantal beveiligde polen	3
Conventionele vrije-lucht thermische stroom (I_{th})	Auxiliary Circuit NC 6 A Auxiliary Circuit NO 4 A
Nominale bedrijfsstroom AC-15 (I_e)	(120 V) NC 3 A (120 V) NO 0.5 A (240 V) NC 3 A (240 V) NO 0.5 A (400 V) NC 0.75 A (400 V) NO 0.5 A (500 V) NC 0.75 A (500 V) NO 0.5 A
Nominale bedrijfsstroom DC-13 (I_e)	(125 V) NC 0.55 A (125 V) NO 0.55 A (24 V) NC 1.25 A (24 V) NO 1.25 A (250 V) NC 0.27 A (250 V) NO 0.27 A (500 V) NC 0.15 A (500 V) NO 0.15 A (60 V) NC 0.55 A (60 V) NO 0.55 A
Beschermingsgraad	Behuizing IP20 Main Circuit Terminals IP10
Verontreinigingsgraad	3
Verbindingscapaciteit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ²

hulpcircuit	Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Flexible 1/2x 0.75 ... 1 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 0.75 ... 4 mm ²
Verbindingscapaciteit hoofdcircuit	Flexible with Ferrule 1/2x 6 ... 35 mm ² Flexible with Ferrule 1x 6 ... 50 mm ² Flexible with Insulated Ferrule 1/2x 6 ... 16 mm ² Flexible with Insulated Ferrule 1x 6 ... 50 mm ² Flexible 1/2x 6 ... 35 mm ² Flexible 1x 6 ... 50 mm ² Rigid 1/2x 6 ... 35 mm ² Rigid 1x 6 ... 50 mm ²
Aanhaalmoment	Auxiliary Circuit 1 ... 1.2 N·m Main Circuit 6.0 ... 9.0 N·m
Kabelstriplengte	Auxiliary Circuit 9 mm Main Circuit 20 mm
Aanbevolen schroevendraaier	Auxiliary Circuit Pozidriv 2 Main Circuit Hexagon 4
Plaats van inbouw	1 ... 6
Vermogensverlies	at Rated Operating Conditions per Pole 2.9 ... 3.9 W
Geschikt voor	AF80 AF96
Normen	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V AC
Contactklasse UL/CSA	(NC:) B600 (NC:) Q600 (NO:) Q600 (NO:) D300
Verbindingscapaciteit hoofdcircuit UL/CSA	Flexible 1x 8-1 AWG Flexible 2x 8-3 AWG Stranded 1x 8-1 AWG Stranded 2x 8-3 AWG
Verbindingscapaciteit hulpcircuit UL/CSA	Flexible 1/2x 18-12 AWG Stranded 1/2x 18-12 AWG
Aanhaalmoment UL/CSA	Auxiliary Circuit 9 ... 11 in·lb Main Circuit 53 ... 80 in·lb

Environmental

Omgevingsluchttempera tuur	Werking -40 ... +70 °C Operation Compensated -40 ... +70 °C Opslag -50 ... +80 °C
Compensatie omgevingsluchttempera tuur	Yes
Maximale werkhoogte toegestaan	2000 m
Schokweerstand volgens IEC 60068-2-27	11 ms Pulse 25g
Weerstand tegen trillingen volgens IEC 60068-2-6	5g / 3 ... 150 Hz
RoHS-status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Certificates and Declarations

ABS-certificaat	1SAA941003-0101
ATEX-certificaat	1SAA941006-3901
BV-certificaat	1SAA941001-0203
CB-certificaat	1SAA941016-2001
CQC-certificaat	CQC2014010309689434
Declaration of Conformity - CCC	2020980309000292
Conformiteitsverklaring - CE	1SAD101100-3503
Declaration of Conformity - UKCA	1SAD201100-3503
DNV GL-certificaat	1SAA941004-0301
EAC-certificaat	1SAA941002-2701
IECEX-certificaat	1SAA941002-4001
LR-certificaat	1SAA941003-0501
RINA-certificaat	RINA_ELE098115XG
RMRS-certificaat	1SAA941002-0701
UL-certificaat	E48139-20130329

Container Information

Pakketniveau 1 Units	1 stuk
Pakketniveau 1 Breedte	97 mm
Pakketniveau 1 Hoogte	121 mm
Pakketniveau 1 Lengte	97 mm
Pakketniveau 1 Brutogewicht	0.62 kg
Pakketniveau 1 EAN	4013614483028
Pakketniveau 2 Units	12 stuk
Pakketniveau 2 Breedte	280 mm
Pakketniveau 2 Hoogte	210 mm
Pakketniveau 2 Lengte	395 mm
Pakketniveau 2 Brutogewicht	7.826 kg
Pakketniveau 2 EAN	4013614485466

Classifications

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)	3706594
E-Number (Sweden)	3210274

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAZ901901R1001	DB96 Single Mounting Kit	DB96	1	piece
1SAX101911R1001	DRS-F-01 Remote Reset Coil	DRS-F-01	1	piece
1SAX101911R1002	DRS-F-02 Remote Reset Coil	DRS-F-02	1	piece
1SAX101911R1003	DRS-F-03 Remote Reset Coil	DRS-F-03	1	piece
1SAX101911R1004	DRS-F-04 Remote Reset Coil	DRS-F-04	1	piece
1SAZ701904R1001	DRS-F-TF-01 Remote Coil	DRS-F-TF-01	1	piece
1SAZ701904R1002	DRS-F-TF-02 Remote Coil	DRS-F-TF-02	1	piece
1SAZ701904R1003	DRS-F-TF-03 Remote Coil	DRS-F-TF-03	1	piece
1SAZ701904R1004	DRS-F-TF-04 Remote Coil	DRS-F-TF-04	1	piece
1SAZ701903R1001	WRH-F Holder	WRH-F	1	piece
1SAZ701903R1011	WRB-400 Bowden Wire	WRB-400	1	piece
1SAZ701903R1012	WRB-600 Bowden Wire	WRB-600	1	piece
1SAZ701903R1013	WRB-1000 Bowden Wire	WRB-1000	1	piece
1SAZ701903R1030	WRBG Gasket	WRBG	1	piece
1SFA616162R1014	KPR3-101L Reset push button	KPR-101L	1	piece

Categorieën

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

