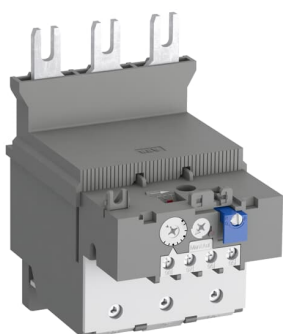


PRODUCT-DETAILS

TF140DU-110

TF140DU-110 Thermal Overload Relay



Información General

Tipo de producto extendido	TF140DU-110
Código de producto	1SAZ431201R1002
EAN	4013614446825
Descripción corta	TF140DU-110 Thermal Overload Relay
Descripción larga	The TF140DU-110 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.

Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85364900

Descargas Populares

Ficha técnica, información técnica	2CDC106061D0201
Instrucciones y manuales	2CDC106050M6802
Time-Current Characteristic Curve	1SAZ400503F0002

Dimensiones

Ancho del product	89 mm
Alto del producto	140 mm
Largo del product	126 mm
Peso del product	0.82 kg

Technical

Setting Range	80 ... 110 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)	110 A
Rated Operational Current AC-3 (I _e)	110 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 8 kV
Rated Insulation Voltage (U _i)	690 V
Number of Poles	3
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 1.5 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
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
Grado de protección	IP20 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 16 ... 70 mm ² Flexible with Insulated Ferrule 1/2x 16 ... 70 mm ² Flexible 1/2x 16 ... 70 mm ² Rigid 1/2x 16 ... 70 mm ²
Tightening Torque	Auxiliary Circuit 0.8 ... 1.2 N·m Main Circuit 8 ... 10 N·m
Wire Stripping Length	Auxiliary Circuit 9 mm Main Circuit 25 mm
Recommended Screw Driver	Auxiliary Circuit Pozidriv 2 Main Circuit Hexagon 4
Mounting Position	Any
Power Loss	at Rated Operating Conditions per Pole 2.1 W
Suitable For	AF116 AF140
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
Ampere Rating UL/CSA	110 A
Contact Rating UL/CSA	(NC:) B600 (NO:) C300
Connecting Capacity Main Circuit UL/CSA	Flexible 1/2x 6-2/0 AWG Stranded 1/2x 6-2/0 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

Ambiente

Temperatura ambiente	Funcionamiento -25 ... +55 °C Operation Compensated -25 ... +55 °C Almacenamiento -40 ... +70 °C
Ambient Air Temperature Compensation	Yes
Maximum Operating Altitude Permissible	2000 m
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms 11 ms Pulse 12g
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
RoHS Status	Following EU Directive 2011/65/EU

Certificados y Declaraciones (Número de Documento)

ABS Certificate	1SAA941004-0101
BV Certificate	1SAA941003-0201
CB Certificate	1SAA941012-2001
CQC Certificate	CQC2016010309922935
cUL Certificate	cUL_E48139
Declaration of Conformity - CCC	2020980304001320
Declaración de conformidad - CE	1SAD938507-0185
Declaration of	1SAD938501-1185

Conformity - UKCA

DNV GL Certificate	1SAA941004-0301
EAC Certificate	1SAA941002-2702
Environmental Information	1SAC200090H0009
Instrucciones y manuales	2CDC106050M6802
LR Certificate	1SAA941004-0501
RINA Certificate	RINA_ELE098115XG
RMRS Certificate	1SAA941002-0701
RoHS Information	1SAD938503-0185
Time-Current Characteristic Curve	1SAZ400503F0002
UL Certificate	UL_E48139

Información de Embalaje

Embalaje Nivel 1 Unidades	1 piece
Embalaje Nivel 1 Ancho	165 mm
Embalaje Nivel 1 Alto	133 mm
Embalaje Nivel 1 Largo	151 mm
Embalaje Nivel 1 Peso	0.945 kg
Embalaje Nivel 1 EAN	4013614446825
Package Level 2 Units	4 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	8.786 kg
Package Level 2 EAN	4013614494369

Clasificaciones

Object Classification Code	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
eClass	V11.0 : 27371501
UNSPSC	39121520
IDEA Granular Category Code (IGCC)	5364 >> Overload relay
E-Number (Finland)	3706577
E-Number (Sweden)	3210242

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SFA616162R1014	KPR3-101L Reset push button	KPR3-101L	1	piece

Categorías

Productos y sistemas de baja tensión → Aparatos de control → Contactores → Relés térmicos

