

PRODUCT-DETAILS

T16-3.1

T16-3.1 Thermal Overload Relay



Información General

Tipo de producto extendido	T16-3.1
Código de producto	1SAZ711201R1033
EAN	4013614397912
Descripción corta	T16-3.1 Thermal Overload Relay
Descripción larga	<p>The T16-3.1 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 mini contactors or block contactors.</p> <p>Single mounting kits are available as accessory.</p>

Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85364900

Descargas Populares

Ficha técnica, información técnica	2CDC106020D0201
Instrucciones y manuales	2CDC106019M6802 2CDC106021M6801
Time-Current Characteristic Curve	1SAZ700505F0012

Dimensiones

Ancho del product	45 mm
Alto del producto	76.7 mm
Largo del product	53.5 mm
Peso del product	0.1 kg

Technical

Setting Range	2.3 ... 3.1 A
Rated Operational Voltage	Auxiliary Circuit 600 V AC/DC Main Circuit 690 V AC
Rated Operational Current (I _e)	3.1 A
Rated Operational Current AC-3 (I _e)	3.1 A
Rated Frequency (f)	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	Auxiliary Circuit 6 kV Main Circuit 6 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 6 A Auxiliary Circuit NO 4 A
Rated Operational Current 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
Rated Operational Current 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
Grado de protección	IP20
Pollution Degree	3
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² 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
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 0.75 ... 4 mm ² Flexible with Insulated Ferrule 1/2x 0.75 ... 4 mm ²

	Flexible 1/2x 0.75 ... 4 mm ² Solid 1/2x 0.75 ... 1.5 mm ² Solid 1/2x 1.5 ... 4 mm ² Stranded 1/2x 1 ... 4 mm ²
Tightening Torque	Auxiliary Circuit 1 ... 1.2 N·m Main Circuit 1.1 ... 1.5 N·m
Wire Stripping Length	Auxiliary Circuit 9 mm Main Circuit 12 mm
Recommended Screw Driver	Main Circuit Pozidriv 2
Power Loss	at Rated Operating Conditions per Pole 1.1 W
Suitable For	B6 BC6 B7 BC7 VB6 VBC6 VB7 VBC7 AS09 AS12 AS16
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	3.1 A
Contact Rating UL/CSA	(NC:) B600 (NC:) Q600 (NO:) Q600 (NO:) D300
Connecting Capacity Main Circuit UL/CSA	Flexible 1/2x 18-12 AWG Stranded 1/2x 18-10 AWG
Connecting Capacity Auxiliary Circuit UL/CSA	Flexible 1/2x 18-12 AWG Stranded 1/2x 18-12 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 9 ... 11 in·lb Main Circuit 9 ... 13 in·lb

Ambiente

Temperatura ambiente	Funcionamiento -25 ... +60 °C Operation Compensated -25 ... +60 °C Almacenamiento -50 ... +80 °C
Ambient Air Temperature Compensation	Yes
Maximum Operating Altitude Permissible	2000 m
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 22g
Resistance to Vibrations acc. to IEC 60068-2-6	3g / 3 ... 150 Hz
RoHS Status	Following EU Directive 2011/65/EU

Certificados y Declaraciones (Número de Documento)

ABS Certificate	1SAA941001-0102
BV Certificate	1SAA941001-0203

CB Certificate	1SAA941008-2001
CQC Certificate	CQC2011010309459316
cUL Certificate	cUL_E48139
Declaration of Conformity - CCC	2020980304001787
Declaración de conformidad - CE	1SAD938510-0182
DNV GL Certificate	1SAA941001-0302
EAC Certificate	1SAA941002-2702
Environmental Information	1SAC200055H0009
GL Certificate	1SAA941007-0401
Instrucciones y manuales	2CDC106019M6802 2CDC106021M6801
LR Certificate	1SAA941001-0502
RINA Certificate	1SAA941000-0802
RMRS Certificate	1SAA941000-0704
RoHS Information	1SAD938507-0182
Time-Current Characteristic Curve	1SAZ700505F0012
UL Certificate	UL_E48139

Información de Embalaje

Embalaje Nivel 1 Unidades	1 piece
Embalaje Nivel 1 Ancho	48 mm
Embalaje Nivel 1 Alto	63 mm
Embalaje Nivel 1 Largo	82 mm
Embalaje Nivel 1 Peso	0.112 kg
Embalaje Nivel 1 EAN	4013614397912
Package Level 2 Units	40 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	8.45 kg
Package Level 2 EAN	4013614440625

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)	3706144
E-Number (Sweden)	3212065

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAZ701901R0001	DB16 Single Mounting Kit	DB16	1	piece
1SFA616162R1014	KPR3-101L Reset push button	KPR-101L	1	piece

Categorías

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

