

PRODUCT-DETAILS

TF42-4.2

TF42-4.2 Thermal Overload Relay



Información General

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| Tipo de producto extendido | TF42-4.2 |
| Código de producto | 1SAZ721201R1035 |
| EAN | 4013614398094 |
| Descripción corta | TF42-4.2 Thermal Overload Relay |
| Descripción larga | <p>The TF42-4.2 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.</p> |

Clasificación

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| Cantidad mínima de pedido | 1 piece |
| Código arancelario | 85364900 |

Descargas Populares

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| Ficha técnica, información técnica | 2CDC106023D0201 |
| Data Sheet, Technical Information (Part 2) | 1SAC200122W0001 |
| Data Sheet, Technical Information (Part 3) | 1SAZ700504 |

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| Instrucciones y manuales | 2CDC106022M6802 |
| Instructions and Manuals (Part 2) | 2CDC106076M6801 |
| Time-Current Characteristic Curve | 1SAZ700506F0013 |
| Dimension Diagram | 1SAZ700405F0001 |

Dimensiones

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| Ancho del product | 45 mm |
| Alto del producto | 88.3 mm |
| Largo del product | 70.5 mm |
| Peso del product | 0.13 kg |

Technical

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| Setting Range | 3.1 ... 4.2 A |
| Rated Operational Voltage | Auxiliary Circuit 600 V AC/DC Main Circuit 690 V AC Main Circuit 600 V DC |
| Rated Operational Current (I_e) | 4.2 A |
| Rated Operational Current AC-3 (I_e) | 4.2 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 | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² |

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| Auxiliary Circuit | 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 Rigid 1/2x 0.75 ... 4 mm ² |
| Tightening Torque | Auxiliary Circuit 1 ... 1.5 N·m Main Circuit 1.5 ... 2.5 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 ... 2.0 W |
| Suitable For | AF09 AF12 AF16 AF26 AF30 AF38 |
| 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

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| Maximum Operating Voltage UL/CSA | Main Circuit 600 V AC |
| Ampere Rating UL/CSA | 4.2 A |
| Contact Rating UL/CSA | (NC:) B600 (NC:) Q600 (NO:) Q600 (NO:) D300 |
| Connecting Capacity Main Circuit UL/CSA | Flexible 1/2x 18-10 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 ... 13 in·lb Main Circuit 13 ... 22 in·lb |

Ambiente

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| 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 25g |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5g / 3 ... 150 Hz |
| RoHS Status | Following EU Directive 2011/65/EU |

Certificados y Declaraciones (Número de Documento)

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| ABS Certificate | 1SAA941001-0102 |
| ATEX Certificate | 1SAA941001-3901 |

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|-----------------------------------|---------------------|
| BV Certificate | 1SAA941001-0203 |
| CB Certificate | 1SAA941009-2001 |
| CQC Certificate | CQC2011010309464423 |
| cUL Certificate | 1SAA941001-1702 |
| cUR Certificate | cUL_E48139 |
| Declaration of Conformity - CCC | 2020980304001788 |
| Declaración de conformidad - CE | 1SAD938513-0181 |
| Declaration of Conformity - UKCA | 1SAD938501-1181 |
| DNV GL Certificate | 1SAA941001-0302 |
| EAC Certificate | 1SAA941002-2701 |
| Environmental Information | 1SAC200057H0009 |
| GL Certificate | 1SAA941007-0401 |
| IECEX Certificate | 1SAA941003-4001 |
| Instrucciones y manuales | 2CDC106022M6802 |
| Instructions and Manuals (Part 2) | 2CDC106076M6801 |
| LR Certificate | 1SAA941001-0502 |
| RINA Certificate | 1SAA941000-0802 |
| RMRS Certificate | 1SAA941000-0704 |
| RoHS Information | 1SAD938508-0181 |
| Time-Current Characteristic Curve | 1SAZ700506F0013 |
| UL Certificate | cUL_E48139 |

Información de Embalaje

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|--------------------------------|-----------------|
| Embalaje Nivel 1 Unidades | carton 1 piece |
| Embalaje Nivel 1 Ancho | 48 mm |
| Embalaje Nivel 1 Alto | 92 mm |
| Embalaje Nivel 1 Largo | 78 mm |
| Embalaje Nivel 1 Peso | 0.145 kg |
| Embalaje Nivel 1 EAN | 4013614398094 |
| Package Level 2 Units | carton 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 | 7.346 kg |
| Package Level 2 EAN | 4013614440137 |

Clasificaciones

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| 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 |

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| E-Number (Finland) | 3706122 |
| E-Number (Sweden) | 3211966 |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|-----------------------------|-------------|----------|-----------------|
| 1SAZ701902R0001 | DB42 Single Mounting Kit | DB42 | 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 |

Categorías

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

