



PRODUCT-DETAILS

TF65-60

TF65-60 Thermal Overload Relay 50 ... 60 A



概要信息	
产品型号	TF65-60
产品ID	1SAZ811201R1006
欧洲商品编号(EAN)	4013614482960
目录说明	TF65-60 Thermal Overload Relay 50 ... 60 A
详细描述	The TF65-60 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.

订货信息	
最小起订量	1 piece
海关关税号	85364900

Popular Downloads

数据手册，技术资料	2CDC106069D0201
说明书和手册	2CDC106051M6803
说明书和手册（第2部分）	1SAC200017M0002
Ex Operating Instructions	2CDC106085M6801
Time-Current Characteristic Curve	1SAZ800502F0006
CAD Dimensional Drawing	2CDC001079B0201
尺寸图	1SAZ800401F0001

尺寸

产品净宽	54.9 mm
产品净高	101.4 mm
产品净深	106.9 mm
产品净重	0.382 kg

技术参数

设置范围	50 ... 60 A
额定工作电压	Auxiliary Circuit 600 V AC/DC Main Circuit 690 V AC Main Circuit 440 V DC
额定工作电流 (I _e)	60 A
额定频率 (f)	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Main Circuit 50 Hz Main Circuit 60 Hz
额定冲击耐受电压 (U _{imp})	Auxiliary Circuit 6 kV Main Circuit 8 kV
额定绝缘电压 (U _i)	690 V
极数	3
辅助触点NC数量	1
辅助触点NO数量	1
保护极数	3
额定发热电流（自由空气）(I _{th})	Auxiliary Circuit NC 6 A Auxiliary Circuit NO 4 A
额定工作电流 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
额定工作电流 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
防护等级	Housing IP20 Main Circuit Terminals IP10
污染等级	3

辅助电路连接容量	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
主电路连接容量	Flexible with Ferrule 1/2x 2.5 ... 10 mm ² Flexible with Ferrule 1x 2.5 ... 35 mm ² Flexible with Insulated Ferrule 1x 2.5 ... 35 mm ² Flexible with Insulated Ferrule 1/2x 2.5 ... 10 mm ² Flexible 1/2x 2.5 ... 16 mm ² Flexible 1x 2.5 ... 35 mm ² Rigid 1/2x 2.5 ... 16 mm ² Rigid 1x 2.5 ... 35 mm ²
拧紧力矩	Auxiliary Circuit 1 ... 1.2 N·m Main Circuit 4.0 ... 4.5 N·m
剥线长度	Auxiliary Circuit 9 mm Main Circuit 17 mm
推荐的螺丝刀	Auxiliary Circuit Pozidriv 2 Main Circuit Pozidriv 2
安装位置	1 ... 6
功率损耗	at Rated Operating Conditions per Pole 2.3 ... 3.4 W
适用于	AF40 AF52 AF65
标准	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1 IEC 60335-2-40 A2L

UL/CSA适用的技术参数

最高工作电压UL/CSA	Main Circuit 600 V AC
接触等级UL/CSA	(NC:) B600 (NC:) Q600 (NO:) Q600 (NO:) D300
主电路连接容量 UL/CSA	Flexible 1x 12-2 AWG Flexible 2x 12-6 AWG Stranded 1x 12-2 AWG Stranded 2x 12-6 AWG
辅助电路连接容量 UL/CSA	Flexible 1/2x 18-12 AWG Stranded 1/2x 18-12 AWG
拧紧力矩UL/CSA	Auxiliary Circuit 9 ... 11 in·lb Main Circuit 35 ... 40 in·lb

环境条件

周围环境温度	Operation -40 ... +70 °C Operation Compensated -40 ... +70 °C Storage -50 ... +80 °C
周围环境温度补偿	是
允许的最高工作海拔	2000 m
抗机械冲击符合IEC 60068-2-27标准	11 ms Pulse 25g
耐振动符合IEC 60068-2-6 标准	5g 3 ... 150 Hz
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances	2CMT2023-006525

Control Act - TSCA

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS信息	2CMT2021-006277
WEEE B2C / B2B	Business To Business
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions

产品环境声明 - EPD	1SAC200249H0001
产品寿命终止后的拆解指南	1SAC200334H0001
环境信息	1SAC200058H0009

认证及声明（文件编码）

A2L Certificate – IEC	1SAA941000-4601
ABS认证	1SAA941003-0101
ATEX认证	1SAA941005-3901
BV认证	1SAA941001-0203
CB认证	1SAA941015-2001
CQC认证	CQC2014010309689432
Declaration of Conformity - CCC	2020980309000291
符合性声明 - CE	1SAD101100-3503
Declaration of Conformity - UKCA	1SAD201100-3503
DNV GL Certificate	1SAA941004-0301
EAC认证	1SAA941002-2701
IECEX Certificate	1SAA941001-4001
LR认证	1SAA941003-0501
RINA认证	RINA_ELE098115XG
RMRS认证	1SAA941002-0701
UL认证	E48139-20130329

包装信息

1级包装单元	box 1 piece
1级包装宽度	123 mm
1级包装高度	121 mm
1级包装长度	82 mm
1级包装 总重	0.466 kg
1级包装 EAN	4013614482960
2级包装单元	12 piece
2级包装宽度	280 mm
2级包装高度	210 mm
2级包装长度	395 mm
2级包装 总重	5.978 kg

2级包装 EAN

4013614485367

分类

对象分类代码	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
e级	V11.0 : 27371501
UNSPSC	39122330
IDEA 粒度分类代码 (IGCC)	5366 >> Thermal overload relay
E-Number (Finland)	3706588
E-Number (Norway)	4116792
E-Number (Sweden)	3210268

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAZ801901R1001	DB65 Single Mounting Kit	DB65	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

分类

低压产品及系统 → 控制产品 → 接触器 → 过载继电器

