



PRODUCT-DETAILS

EF460-500

EF460-500 Electronic Overload Relay 150 ... 500 A



概要信息	
产品型号	EF460-500
产品ID	1SAX721001R1101
欧洲商品编号(EAN)	4013614487415
目录说明	EF460-500 Electronic Overload Relay 150 ... 500 A
详细描述	The EF460-500 is an self-supplied electronic overload relay, which means no extra external supply is needed. It offers reliable and fast protection for motors in the event of overload or phase failure. Easy to use like a thermal overload relay and compatible with standard motor applications, the electronic overload relay is convincing, above all, due to its wide setting range, high accuracy, high operational temperature range and the possibility to select a trip class (10E, 20E, 30E). 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. EF460 has ATEX and IECEx certification 1) 1) ATEX is valid for products produced from week 42, 2014. IECEx is valid for products produced from week 15, 2017.

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	2CDC107045D0201
说明书和手册	2CDC107033M6803
说明书和手册（第2部分）	1SAC200017M0002
Ex Operating Instructions	2CDC107043M6801
Time-Current Characteristic Curve	1SAX100509F0002 1SAX100510F0001
CAD Dimensional Drawing	2CDC001079B0201
尺寸图	1SAX700402F0001

尺寸

产品净宽	186 mm
产品净高	103.5 mm
产品净深	152.13 mm
产品净重	1.182 kg

技术参数

设置范围	150 ... 500 A
额定工作电压	Auxiliary Circuit 600 V AC/DC Main Circuit 1000 V AC
额定工作电流 (I _e)	500 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)	1000 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 6 A
额定工作电流 AC-15 (I _e)	(240 V) NC 3 A (240 V) NO 3 A (400 V) NC 1.1 A (400 V) NO 1.1 A (500 V) NC 0.75 A (500 V) NO 0.75 A
额定工作电流 DC-13 (I _e)	(125 V) NC 0.55 A (125 V) NO 0.5 A (24 V) NC 1.5 A (24 V) NO 1.5 A (250 V) NC 0.27 A (250 V) NO 0.27 A (60 V) NC 0.55 A (60 V) NO 0.55 A
防护等级	Housing IP20 Main Circuit Terminals IP00

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 1/2x 0.75 ... 2.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
拧紧力矩	Auxiliary Circuit 0.8 ... 1.2 N·m
剥线长度	Auxiliary Circuit 9 mm
推荐的螺丝刀	Auxiliary Circuit Pozidriv 2
安装位置	1 ... 6
功率损耗	at Rated Operating Conditions per Pole 0.005 ... 0.054 W
适用于	AF400 AF460
标准	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

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:) B600 (NO:) Q600
辅助电路连接容量 UL/CSA	Flexible 1/2x 16-10 AWG Stranded 1/2x 18-10 AWG
拧紧力矩UL/CSA	Auxiliary Circuit 7 ... 1 in·lb

环境条件

周围环境温度	Operation -25 ... +70 °C Operation Compensated -25 ... +70 °C Storage -25 ... +70 °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	3g 3 ... 150 Hz
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS信息	1SAD938519-0180
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)

Eco Transparency	
环境信息	1SAC200103H0001

认证及声明（文件编码）	
ABS认证	1SAA941002-0102
ATEX认证	1SAA941004-3901
BV认证	1SAA941002-0201
CB认证	1SAA964009-2001
CCS认证	1SAA941001-0901
CQC认证	CQC2012010309537805
Declaration of Conformity - CCC	2020980309000290
符合性声明 - CE	1SAD101100-3601
Declaration of Conformity - UKCA	1SAD201100-3601
DNV认证	1SAA941003-0302
EAC认证	1SAA941003-2701
IECEX Certificate	1SAA941000-4001
LR认证	1SAA941002-0501
RINA认证	RINA_ELE376813CS
RMRS认证	1SAA941001-0701
UL认证	E48139-19990512

包装信息	
1级包装单元	box 1 piece
1级包装宽度	140 mm
1级包装高度	199 mm
1级包装长度	195 mm
1级包装 总重	1.554 kg
1级包装 EAN	4013614487415

分类	
对象分类代码	F
ETIM 4	EC001080 - Electronic overload relay
ETIM 5	EC001080 - Electronic overload relay
ETIM 6	EC001080 - Electronic overload relay
ETIM 7	EC001080 - Electronic overload relay
ETIM 8	EC001080 - Electronic overload relay
e级	V11.0 : 27371502
UNSPSC	39122330
IDEA 粒度分类代码 (IGCC)	5365 >> Electronic overload relay
E-Number (Finland)	3707463
E-Number (Norway)	4116705
E-Number (Sweden)	3210294

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAX701904R0002	LT460EF Terminal Shroud	LT460EF	1	piece
1SAX701902R1011	DT500/AF460-S Mounting Kit	DT500/AF460-S	1	piece
1SAX701902R1001	DT500/AF460-L Mounting Kit	DT500/AF460-L	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
1SAX101911R1011	DRS-F-EF-01 Remote Coil	DRS-F-EF-01	1	piece
1SAX101911R1012	DRS-F-EF-02 Remote Coil	DRS-F-EF-02	1	piece
1SAX101911R1013	DRS-F-EF-03 Remote Coil	DRS-F-EF-03	1	piece
1SAX101911R1014	DRS-F-EF-04 Remote Coil	DRS-F-EF-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

用在哪里		
Identifier	Description	Type
3BHB047970R0001		Kit
3BHB047970R0002		Kit
3BHB047970R0003		Kit
3BHB047970R0019		Kit

分类

低压产品及系统 → 控制产品 → 接触器 → 电子过载继电器
传动 → 服务 → 备件和耗材 → 部件

