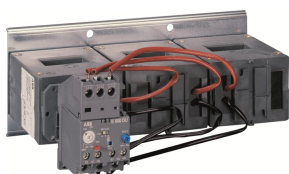


PRODUCT-DETAILS

# E800DU-800

## E800DU-800 Electronic Overload Relay

"No longer for sale" replaced by



### General Information

Extended Product Type	E800DU-800
Product ID	1SAX811001R1101
EAN	4013614395444
Catalog Description	E800DU-800 Electronic Overload Relay

Long Description

The E800DU-800 is a 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. The overload relays are connected with a mounting kit to the contactors.

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Replacement Product ID (NEW)	1SAX821001R1101

### Popular Downloads

Data Sheet, Technical Information	1SBC100173C0201
Data Sheet, Technical Information (Part 2)	1SAX100502F0002 1SAX100508F0001
Instructions and Manuals	2CDC107022M5502

## Dimension Diagram

1SAX811001F1101

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**Dimensions**


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Product Net Width	245 mm
Product Net Height	120 mm
Product Net Depth / Length	185.6 mm
Product Net Weight	3.905 kg

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**Technical**


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Setting Range	250 ... 800 A
Rated Operational Voltage	Auxiliary Circuit 600 V AC/DC Main Circuit 1000 V AC
Rated Operational Current ( $I_e$ )	800 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 8 kV
Rated Insulation Voltage ( $U_i$ )	1000 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 6 A
Rated Operational Current 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 0.7 A (500 V) NO 0.7 A
Rated Operational Current DC-13 ( $I_e$ )	(125 V) NC 0.55 A (125 V) NO 0.4 A (24 V) NC 1.5 A (24 V) NO 1.5 A (250 V) NC 0.27 A (250 V) NO 0.2 A (60 V) NC 0.55 A (60 V) NO 0.5 A
Degree of Protection	Housing IP20 Main Circuit Terminals IP00
Pollution Degree	3
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Tightening Torque	Auxiliary Circuit 0.8 ... 1.2 N·m
Wire Stripping Length	Auxiliary Circuit 9 mm
Recommended Screw Driver	Auxiliary Circuit Pozidriv 2
Mounting Position	1 ... 6
Suitable For	AF580 AF750
Standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

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**Technical UL/CSA**


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Maximum Operating Voltage UL/CSA	Main Circuit 600 V AC
Connecting Capacity Auxiliary Circuit UL/CSA	Flexible 1/2x 16-10 AWG Stranded 1/2x 16-10 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 7 in-lb

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**Environmental**


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Ambient Air Temperature	Operation -25 ... +70 °C Operation Compensated -25 ... +70 °C Storage -25 ... +70 °C
Ambient Air Temperature Compensation	Yes
Maximum Operating Altitude Permissible	2000 m
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment

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**Certificates and Declarations (Document Number)**


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ABS Certificate	1SAA964000-0101
CB Certificate	1SAA964006-2001
CQC Certificate	CQC2013010309662463
cUL Certificate	cUL_E48139
Declaration of Conformity - CCC	2020980309000289
Declaration of Conformity - CE	1SAD938508-0053
Instructions and Manuals	2CDC107022M5502
RMRS Certificate	1SAA964000-0702
RoHS Information	1SAA964002-4401
UL Certificate	UL E48139

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**Container Information**


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Package Level 1 Units	1 piece
Package Level 1 Width	274 mm
Package Level 1 Height	147 mm
Package Level 1 Depth / Length	256 mm
Package Level 1 Gross Weight	4.225 kg
Package Level 1 EAN	4013614395444

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**Classifications**


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Object Classification Code	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
eClass	V11.0 : 27371502
UNSPSC	39121520
IDEA Granular Category Code (IGCC)	5364 >> Overload relay

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**Where Used (as part of "kit")**

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Identifier	Description	Type
3BHB026772R0001		Kit
3BHB026772R0002		Kit
3BHB026772R0003		Kit
3BHB026772R0004		Kit
3BHB026772R0005		Kit
3BHB026772R0011		Kit

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**Categories**

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Low Voltage Products and Systems → Control Products → Contactors → Electronic Overload Relays

