PRODUCT-DETAILS

E320DU-320

E320DU-320 Electronic Overload Relay

"No longer for sale" replaced by

General Information

Extended Product Type	E320DU-320
Product ID	1SAX611001R0002
EAN	4013614327018
Catalog Description	E320DU-320 Electronic Overload Relay
Long Description	The E320DU-320 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. The overload relays are connected directly to the contactors.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Replacement Product ID (NEW)	1SAX521001R1101

Popular Downloads

Data Sheet, Technical Information (Part 2)	1SAX100502F0002
Instructions and	2CDC107021M5502

Manuals	
Dimension Diagram	1SAX611001R0001

Dimensions

Product Net Width	105 mm
Product Net Height	187.6 mm
Product Net Depth / Length	121.5 mm
Product Net Weight	1.43 kg

Technical

Setting Range	100 ... 320 A
Rated Operational Voltage	Auxiliary Circuit 600 V AC/DC Main Circuit 690 V AC
Rated Operational Current (I_e)	320 A
Rated Operational Current AC-3 (I_e)	320 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
Conventional Free-air Thermal Current (I_{th})	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
Pollution Degree	3
Recommended Screw Driver	Auxiliary Circuit Pozidriv 2 Main Circuit Open Bars
Mounting Position	1 ... 6
Suitable For	A210 A260 A300 AF210 AF260 AF300
Standards	CSA 22.2 No. 14 IEC/EN 60947-1 IEC/EN 60947-4-1 UL 508

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V AC

Environmental

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	No declaration needed

Certificates and Declarations (Document Number)

cUL Certificate	cUL_E48139
Declaration of Conformity - CE	1SAD938504-0053
Instructions and Manuals	2CDC107021M5502
RoHS Information	1SAA964001-4401
UL Certificate	UL_E48139

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	217 mm
Package Level 1 Height	150 mm
Package Level 1 Depth / Length	205 mm
Package Level 1 Gross Weight	1.735 kg
Package Level 1 EAN	4013614327018

Classifications

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

Categories

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