

NX22E-81



NX22E-81 24V 50/60Hz Contactor relay

General Information

Extended Product Type	NX22E-81
Product ID	1SBH901074R8122
EAN	3471522388810
Catalog Description	NX22E-81 24V 50/60Hz Contactor relay
Long Description	NX...contactor relays are used for switching auxiliary circuits and control circuits. These contactor relays are of the block type design with: – 4 poles. Contactor relays have mechanically linked auxiliary contact elements – control circuit: AC operated – add-on auxiliary contact blocks for front or side mounting and a wide range of accessories.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SXF101004C2001
Instructions and Manuals	1SBB902529D3001

Dimensions

Product Net Width	44 mm
Product Net Depth / Length	74 mm
Product Net Height	74 mm
Product Net Weight	0.315 kg

Technical

Number of Auxiliary Contacts NO	2
Number of Auxiliary Contacts NC	2
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-5-1, $q = 40\text{ }^{\circ}\text{C}$ 16 A
Rated Operational Current AC-15 (I_a)	(220 / 240 V) 4 A (24 / 127 V) 6 A

	(400 / 440 V) 2 A (500 V) 2 A (690 V) 2 A (380 / 440 V) 3 A
Rated Short-time Withstand Current (I_{cw})	for 0.1 s 140 A for 1 s 100 A
Maximum Electrical Switching Frequency	AC-15 1200 cycles per hour DC-13 900 cycles per hour
Rated Operational Current DC-13 (I_e)	(110 V) 0.55 A / 60 W (220 V) 0.30 A / 66 W (400 V) 2.8 A / 134 W (500 V) 1 A / 72 W (125 V) 0.55 A / 69 W (24 V) 6 A / 144 W (250 V) 0.30 A / 75 W
Rated Insulation Voltage (U_i)	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Rated Impulse Withstand Voltage (U_{imp})	6 kV
Maximum Mechanical Switching Frequency	6000 cycles per hour
Rated Control Circuit Voltage (U_c)	50 Hz 24 V 60 Hz 24 V
Operate Time	Between Coil De-energization and NC Contact Closing 9 ... 16 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NC Contact Opening 7 ... 21 ms Between Coil Energization and NO Contact Closing 10 ... 26 ms
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Close to Contactor Fitted with Thermal O/L Relay -25 ... +55 °C Close to Contactor without Thermal O/L Relay -40 ... +70 °C Near Contactor for Operation in Free Air -40 ... +70 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible	3000 m
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Tightening Torque UL/CSA	Auxiliary Circuit 9 in·lb Control Circuit 9 in·lb
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Certificates and Declarations (Document Number)

CB Certificate	CB_CN28664
CCC Certificate	CCC_2013010304653298
CCS Certificate	CCS_GZ13T00025
Declaration of Conformity - CE	1SBD250012U1000
Instructions and Manuals	1SBB902529D3001
RoHS Information	1SBD251301E1000

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	48 mm

Package Level 1 Depth / Length	78 mm
Package Level 1 Height	79 mm
Package Level 1 Gross Weight	0.315 kg
Package Level 1 EAN	3471522388810
Package Level 2 Units	30 piece
Package Level 2 Width	240 mm
Package Level 2 Depth / Length	295 mm
Package Level 2 Height	145 mm
Package Level 2 Gross Weight	9.45 kg

Classifications

Object Classification Code	K
UNSPSC	39121500

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

