



PRODUCT-DETAILS

NX22E-84

NX22E-84 110V50Hz/110-120V60Hz Contactor relay



| General Information   |  |
|-----------------------|--|
| Extended Product Type | NX22E-84   |
| Product ID            | 1SBH901074R8422  |
| EAN                   | 3471522388841  |
| Catalog Description   | NX22E-84 110V50Hz/110-120V60Hz 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 | 1SBC100187L0203 |

|                          |                 |
|--------------------------|-----------------|
| Information              |                 |
| Instructions and Manuals | No              |
| CAD Dimensional Drawing  | 2CDC001079B0201 |

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<br>Main Circuit 690 V   |
| Rated Frequency (f)   | Auxiliary Circuit 50 / 60 Hz<br>Main Circuit 50 / 60 Hz   |
| Conventional Free-air Thermal Current (I <sub>th</sub> )          | acc. to IEC 60947-5-1, $\Theta = 40\text{ °C}$ 16 A   |
| Rated Operational Current AC-15 (I <sub>e</sub> )                 | (500 V) NC 2<br>(500 V) 2 A<br>(690 V) 2 A<br>(24 / 127 V) 6 A<br>(220 / 240 V) 4 A<br>(380 / 400 V) 3 A<br>(400 / 440 V) 2 A   |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | for 0.1 s 140 A<br>for 1 s 100 A  |
| Maximum Electrical Switching Frequency                            | (AC-15) 1200 cycles per hour<br>(DC-13) 900 cycles per hour   |
| Rated Operational Current DC-13 (I <sub>e</sub> )                 | (24 V) 6 A / 144 W<br>(110 V) 0.55 A / 60 W<br>(125 V) 0.55 A / 69 W<br>(220 V) 0.30 A / 66 W<br>(250 V) 0.30 A / 75 W<br>(400 V) 2.8 A / 134 W<br>(500 V) 1 A / 72 W   |
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | Auxiliary Circuit 6 kV  |
| Maximum Mechanical Switching Frequency                            | 6000 cycles per hour  |
| Rated Control Circuit Voltage (U <sub>c</sub> )                   | 50 Hz 110 V<br>60 Hz 110 ... 120 V  |
| Operate Time  | Between Coil De-energization and NC Contact Closing 9 ... 16 ms<br>Between Coil De-energization and NO Contact Opening 4 ... 11 ms<br>Between Coil Energization and NC Contact Opening 7 ... 21 ms<br>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   |

| Technical UL/CSA            |  |
|-----------------------------|--|
| Tightening Torque<br>UL/CSA | Auxiliary Circuit 9 in-lb<br>Control Circuit 9 in-lb |

| Environmental                             |   |
|---|---|
| Ambient Air<br>Temperature                | Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °C<br>Close to Contactor without Thermal O/L Relay -40 ... 70 °C<br>Close to Contactor for Storage -60 ... +80 °C<br>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<br>Altitude Permissible | Without Derating 3000 m   |

| Material Compliance                               |  |
|---|--|
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658  |
| REACH Declaration                                 | 2CMT2021-006202  |
| RoHS Information                                  | 2CMT2021-006277  |
| RoHS Status                                       | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances<br>Control Act - TSCA            | 2CMT2023-006525  |
| WEEE B2C / B2B                                    | Business To Business   |
| WEEE Category                                     | 5. Small Equipment (No External Dimension More Than 50 cm)             |

| Certificates and Declarations      |                     |
|------------------------------------|---------------------|
| CB Certificate                     | 9AKK107492A7071     |
| CCC Certificate                    | 9AKK107492A7095     |
| CCS Certificate                    | GZ23PTB00147        |
| CQC Certificate                    | CQC2013010304653298 |
| Declaration of<br>Conformity - CCC | 2020980304001057    |
| Declaration of<br>Conformity - CE  | 1SBD250012U1000     |

| Container Information             |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 48 mm         |
| Package Level 1 Depth /<br>Length | 78 mm         |
| Package Level 1 Height            | 79 mm         |
| Package Level 1 Gross<br>Weight   | 0.315 kg      |
| Package Level 1 EAN               | 3471522388841 |
| Package Level 2 Units             | 30 piece      |
| Package Level 2 Width             | 240 mm        |
| Package Level 2 Depth /<br>Length | 295 mm        |
| Package Level 2 Height            | 145 mm        |

Package Level 2 Gross Weight

9.45 kg

Classifications

|                                    |                            |
|------------------------------------|----------------------------|
| Object Classification Code         | K                          |
| ETIM 7                             | EC000196 - Contactor relay |
| ETIM 8                             | EC000196 - Contactor relay |
| ETIM 9                             | EC000196 - Contactor relay |
| eClass                             | V11.0 : 27371001           |
| UNSPSC                             | 39121500                   |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors         |
| E-Number (Finland)                 | 3707377                    |

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → NX Contactor Relays

