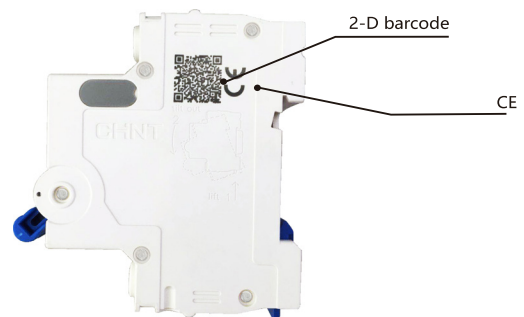
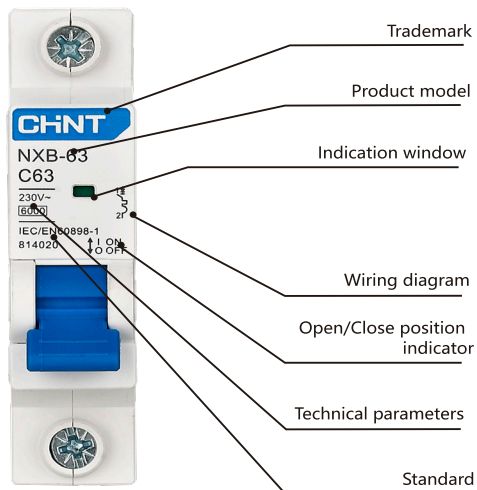
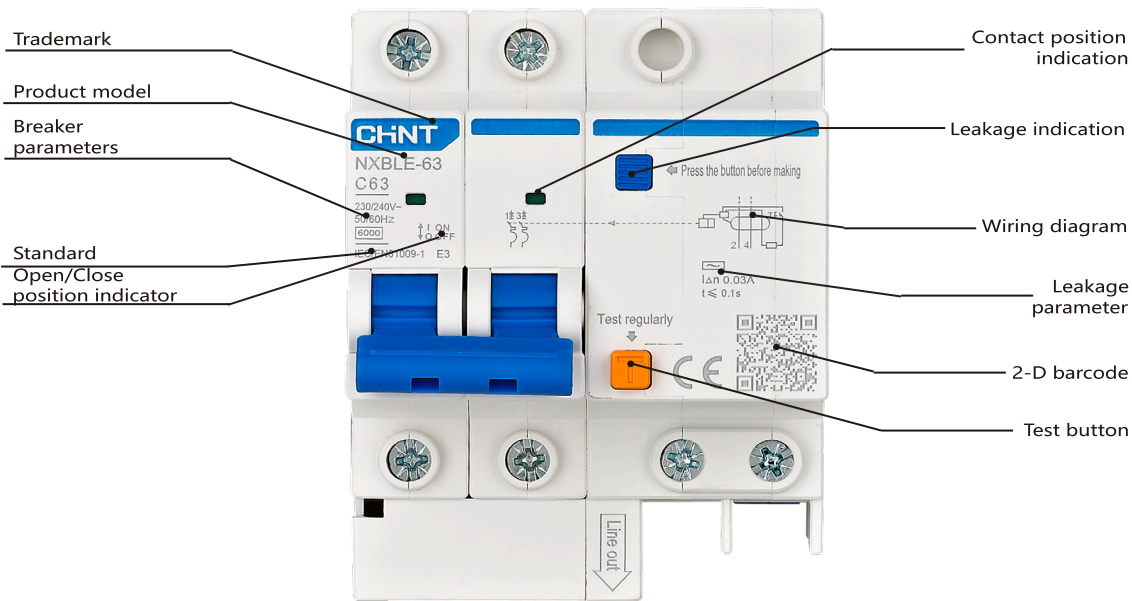


## 1. General description

### NXB-63 Miniature circuit breaker



NXB-63 Miniature circuit breaker



## 2. Technical data

### Circuit breaker and switch parameters

| Product model                                                             |                                                        | NXB-40                                          | NXB-63                                          | NXB-63H                                         | NXB-63G                                         |
|---------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Compliant standards                                                       |                                                        | IEC/EN60898-1                                   | IEC/EN60898-1                                   | IEC/EN60898-1                                   | IEC/EN 60947-2、VC8036、SANS 556-1、SANS 60947-2   |
| Rated current (A)                                                         |                                                        | 6~40                                            | 1~63                                            | 1~63                                            | 1~63                                            |
| Rated voltage (V~)                                                        |                                                        | 230                                             | 240/415                                         | 240/415                                         | 240/415                                         |
| Rated frequency (Hz)                                                      |                                                        | 50/60                                           | 50/60                                           | 50/60                                           | 50/60                                           |
| Number of poles                                                           |                                                        | 1P+N                                            | 1P, 1P+N, 2P, 3P, 3P+N, 4P                      | 1P, 1P+N, 2P, 3P, 3P+N, 4P                      | 1P, 2P, 3P, 4P                                  |
| Mechanical life (cycles)                                                  |                                                        | 20000                                           | 20000                                           | 20000                                           | 20000                                           |
| Electrical life (cycles)                                                  |                                                        | 10000                                           | 10000                                           | 10000                                           | 10000                                           |
| Rated short-circuit breaking capacity Icu (A)                             |                                                        | 4500                                            | 6000                                            | 10000                                           | 6000                                            |
| Short-circuit breaking capacity Ics (A)                                   |                                                        | 4500                                            | 6000                                            | 7500                                            | 6000                                            |
| Rated impulse withstand voltage (1.2/50)(kV)                              |                                                        | 4                                               | 4                                               | 4                                               | 4                                               |
| Dielectric test voltage (V)                                               |                                                        | (Power frequency 1 minute)<br>2000              | (Power frequency 1 minute)<br>2000              | (Power frequency 1 minute)<br>2000              | (Power frequency 1 minute) 2000                 |
| Anti-humid and heat properties (IEC60068-2-30:55°C /90~96%,25°C /95~100%) |                                                        | 28 cycles                                       | 28 cycles                                       | 28 cycles                                       | 28 cycles                                       |
| Terminals                                                                 | Minimum cross section (mm <sup>2</sup> )               | 1                                               | 1                                               | 1                                               | 1                                               |
|                                                                           | Maximum cross section (mm <sup>2</sup> )               | 10                                              | 25                                              | 25                                              | 25                                              |
|                                                                           | Standard connection torque (N·m)                       | 1.5                                             | 2                                               | 2                                               | 2                                               |
|                                                                           | Maximum withstand torque (N·m)                         | 2.0                                             | 2.5                                             | 2.5                                             | 2.5                                             |
|                                                                           | Wire insertion depth (mm)                              | 10                                              | 12.5                                            | 11                                              | 12.5                                            |
| Reference temperature for setting of thermal element (°C)                 |                                                        | 30                                              | 30                                              | 30                                              | 40                                              |
| Operating ambient temperature (°C)                                        |                                                        | -35~+70                                         | -35~+70                                         | -35~+70                                         | -35~+70                                         |
| Ambient storage temperature (°C)                                          |                                                        | -35~+85                                         | -35~+85                                         | -35~+85                                         | -35~+85                                         |
| Applicable altitude (m)                                                   |                                                        | 2000                                            | 2000                                            | 2000                                            | 2000                                            |
| Thermal magnetic release                                                  | Type B (3In~5In)                                       |                                                 | ■                                               | ■                                               |                                                 |
|                                                                           | Type C (5In~10In)                                      | ■                                               | ■                                               | ■                                               |                                                 |
|                                                                           | Type D (10In~16In)                                     | ■                                               | ■                                               | ■                                               |                                                 |
|                                                                           | Type C (6.4In~9.6In)                                   |                                                 |                                                 |                                                 |                                                 |
|                                                                           | Type D (9.6In~14.4In)                                  |                                                 |                                                 |                                                 |                                                 |
|                                                                           | li=10In (8In~12In)                                     |                                                 |                                                 |                                                 | ■                                               |
|                                                                           | li=14.2In (11.36In~17.04In)                            |                                                 |                                                 |                                                 | ■                                               |
| Derating factor with multiple products side by side (recommended value)   | ≤3                                                     | (0.9~0.95)In                                    | (0.9~0.95)In                                    | (0.9~0.95)In                                    | (0.9~0.95)In                                    |
|                                                                           | 4~6                                                    | (0.86~0.80)In                                   | (0.86~0.80)In                                   | (0.80~0.86)In                                   | (0.86~0.80)In                                   |
|                                                                           | 7~9                                                    | (0.78~0.76)In                                   | (0.78~0.76)In                                   | (0.76~0.78)In                                   | (0.78~0.76)In                                   |
|                                                                           | >9                                                     | 0.76In                                          | 0.76In                                          | 0.76In                                          | 0.76In                                          |
| Temperature compensation coefficient (recommended value)                  | Change for every 10°C increase from the reference temp | -(0.03~0.07)In                                  | -(0.03~0.05)In                                  | -(0.03~0.06)In                                  | -(0.02~0.07)In                                  |
|                                                                           | Change for every 10°C decrease from the reference temp | +(0.03~0.07)In                                  | +(0.03~0.08)In                                  | +(0.02~0.07)In                                  | +(0.02~0.08)In                                  |
| Cable entry                                                               |                                                        | Top or bottom entry                             | Top or bottom entry                             | Top or bottom entry                             | Top or bottom entry                             |
| Mounting                                                                  |                                                        | TH35-7.5-rail mounting                          | TH35-7.5-rail mounting                          | TH35-7.5-rail mounting                          | TH35-7.5-rail mounting                          |
| Pollution degree                                                          |                                                        | Pollution degree II                             | Pollution degree II                             | Pollution degree II                             | Pollution degree II                             |
| Protection degree                                                         | Direct mounting                                        | IP20                                            | IP20                                            | IP20                                            | IP20                                            |
|                                                                           | Mounted in the distribution box                        | IP40                                            | IP40                                            | IP40                                            | IP40                                            |
| Accessories that can be assembled                                         |                                                        | AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 | AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 | AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 | AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 |

|  | NXB-63S                                      | NXB-80                                       | NXB-125                                      | NXB-125G                                     | NXHB-125                        |
|--|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------------|
|  | IEC/EN60898-1                                | IEC/EN60898-1                                | IEC60947-2                                   | IEC60898-1                                   | IEC60947-3                      |
|  | 1~63                                         | 70A, 80A                                     | 63~125                                       | 63、80、100(1P、2P、3P、4P),125(1P、2P)            | 63~125                          |
|  | 240/415                                      | 230/400                                      | 230/400                                      | 230/400                                      | 230/400                         |
|  | 50/60                                        | 50/60                                        | 50/60                                        | 50/60                                        | 50                              |
|  | 1P, 1P+N, 2P, 3P, 3P+N, 4P                   | 1P, 1P+N, 2P, 3P, 3P+N, 4P                   | 1P, 2P, 3P, 4P                               | 1P, 2P, 3P, 4P                               | 1P, 2P, 3P, 4P                  |
|  | 20000                                        | 20000                                        | 20000                                        | 20000                                        | 10000                           |
|  | 10000                                        | 6000                                         | 6000(In≤100A), 4000(In>100A)                 | 6000(In≤100A), 4000(In>100A)                 | 3000                            |
|  | 4500                                         | 6000                                         | 10000                                        | 10000                                        | 20le                            |
|  | 4500                                         | 6000                                         | 7500                                         | 7500                                         | 3le                             |
|  | 4                                            | 4                                            | 4                                            | 4                                            | 6                               |
|  | (Power frequency 1 minute) 2000              | (Power frequency 1 minute) 2000              | (Power frequency 1 minute) 1890              | (Power frequency 1 minute) 2000              | (Power frequency 1 minute) 1890 |
|  | 28 cycles                                    | 28 cycles                                    | 28 cycles                                    | 28 cycles                                    | 28 cycles                       |
|  | 1                                            | 25                                           | 16                                           | 16                                           | 1                               |
|  | 25                                           | 25                                           | 50                                           | 50                                           | 50                              |
|  | 2                                            | 3.5                                          | 3.5                                          | 3.5                                          | 3.5                             |
|  | 2.5                                          | 4                                            | 4                                            | 4                                            | 4                               |
|  | 12.5                                         | 15                                           | 15                                           | 15                                           | 15                              |
|  | 30                                           | 30                                           | 30                                           | 30                                           | 30                              |
|  | -35~+70                                      | -35~+70                                      | -35~+70                                      | -35~+70                                      | -35~+70                         |
|  | -35~+85                                      | -35~+85                                      | -35~+85                                      | -35~+85                                      | -35~+85                         |
|  | 2000                                         | 2000                                         | 2000                                         | 2000                                         | 2000                            |
|  | ■                                            | ■                                            |                                              | ■                                            |                                 |
|  | ■                                            | ■                                            |                                              | ■                                            |                                 |
|  | ■                                            | ■                                            |                                              | ■                                            |                                 |
|  |                                              |                                              | ■                                            |                                              |                                 |
|  |                                              |                                              | ■                                            |                                              |                                 |
|  |                                              |                                              |                                              |                                              |                                 |
|  |                                              |                                              |                                              |                                              |                                 |
|  | (0.9~0.95)In                                 | (0.9~0.95)In                                 | (0.9~0.95)In                                 | (0.9~0.95)In                                 |                                 |
|  | (0.86~0.80)In                                | (0.86~0.80)In                                | (0.8~0.9)In                                  | (0.8~0.9)In                                  |                                 |
|  | (0.78~0.76)In                                | (0.78~0.76)In                                | (0.7~0.8)In                                  | (0.7~0.8)In                                  |                                 |
|  | 0.76In                                       | 0.76In                                       | 0.7In                                        | 0.7In                                        |                                 |
|  | -(0.03~0.05)In                               | -(0.02~0.08)In                               | -(0.03~0.08)In                               | -(0.03~0.08)In                               |                                 |
|  | +(0.03~0.08)In                               | +(0.02~0.08)In                               | +(0.03~0.08)In                               | +(0.03~0.08)In                               |                                 |
|  | Top or bottom entry                          | Top or bottom entry                          | Top or bottom entry                          | Top or bottom entry                          | Top or bottom entry             |
|  | TH35-7.5-rail mounting                       | TH35-7.5-rail mounting                       | TH35-7.5-rail mounting                       | TH35-7.5-rail mounting                       | TH35-7.5-rail mounting          |
|  | Pollution degree II                          | Pollution degree II                          | Pollution degree II                          | Pollution degree II                          | Pollution degree II             |
|  | IP20                                         | IP20                                         | IP20                                         | IP20                                         | IP20                            |
|  | IP40                                         | IP40                                         | IP40                                         | IP40                                         | IP40                            |
|  | AX-X1, AL-X1, SHT-X1,OVT-X1, UVT-X1, OUVT-X1 | AX-X1, AL-X1, SHT-X1,OVT-X1, UVT-X1, OUVT-X1 | AX-X3, AL-X3, SHT-X3 OVT-X3, UVT-X3, OUVT-X3 | AX-X3, AL-X3, SHT-X3 OVT-X3, UVT-X3, OUVT-X3 |                                 |

## Residual current operated circuit breaker parameter

| Product model                                                             |                                                        | NXBLE-40                                        | NXBLE-63Y                                       |
|---------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Compliant standards                                                       |                                                        | IEC/EN61009-1                                   | IEC61009-1                                      |
| Rated current (A)                                                         |                                                        | 6~40                                            | 6~63                                            |
| Rated residual operating current (A)                                      |                                                        | 0.01, 0.03                                      | 0.01, 0.03                                      |
| Leakage protection type                                                   |                                                        | AC                                              | AC                                              |
| Rated voltage (V~)                                                        |                                                        | 230                                             | 240                                             |
| Rated frequency (Hz)                                                      |                                                        | 50/60                                           | 50                                              |
| Number of poles                                                           |                                                        | 1P+N                                            | 1P+N                                            |
| Mechanical life (cycles)                                                  |                                                        | 20000                                           | 20000                                           |
| Electrical life (cycles)                                                  |                                                        | 10000                                           | 10000                                           |
| Rated short-circuit breaking capacity (A)                                 |                                                        | 4500                                            | 4500                                            |
| Short-circuit breaking capacity (A)                                       |                                                        | 4500                                            | 4500                                            |
| Rated impulse withstand voltage (1.2/50)(kV)                              |                                                        | 4                                               | 4                                               |
| Dielectric test voltage (V)                                               |                                                        | (Power frequency 1 minute) 2000                 | (Power frequency 1 minute) 2000                 |
| Anti-humid and heat properties (IEC60068-2-30:55°C /90~96%,25°C /95~100%) |                                                        | 28 cycles                                       | 28 cycles                                       |
| Terminals                                                                 | Minimum cross section (mm <sup>2</sup> )               | 1                                               | 1                                               |
|                                                                           | Maximum cross section (mm <sup>2</sup> )               | 10                                              | 25                                              |
|                                                                           | Standard connection torque (N·m)                       | 1.5                                             | 2                                               |
|                                                                           | Maximum withstand torque (N·m)                         | 2.0                                             | 2.5                                             |
|                                                                           | Wire insertion depth (mm)                              | 10                                              | 10                                              |
| Reference temperature for setting of thermal element (°C )                |                                                        | 30                                              | 30                                              |
| Operating ambient temperature (°C )                                       |                                                        | -35~+70                                         | -35~+70                                         |
| Ambient storage temperature (°C )                                         |                                                        | -35~+85                                         | -35~+85                                         |
| Applicable altitude (m)                                                   |                                                        | 2000                                            | 2000                                            |
| Thermal magnetic release                                                  | Type B (3In~5In)                                       |                                                 |                                                 |
|                                                                           | Type C (5In~10In)                                      | ■                                               | ■                                               |
|                                                                           | Type D (10In~16In)                                     | ■                                               | ■                                               |
|                                                                           | Type C (6.4In~9.6In)                                   |                                                 |                                                 |
|                                                                           | Type D (9.6In~14.4In)                                  |                                                 |                                                 |
| Derating factor with multiple products side by side (recommended value)   | ≤3                                                     | (0.9~0.95)In                                    | (0.9~0.95)In                                    |
|                                                                           | 4 ~ 6                                                  | (0.86~0.80)In                                   | (0.86~0.80)In                                   |
|                                                                           | 7 ~ 9                                                  | (0.78~0.76)In                                   | (0.78~0.76)In                                   |
|                                                                           | >9                                                     | 0.76In                                          | 0.76In                                          |
| Temperature compensation coefficient (recommended value)                  | Change for every 10°C increase from the reference temp | -(0.03~0.07)In                                  | -(0.03~0.050)In                                 |
|                                                                           | Change for every 10°C decrease from the reference temp | +(0.03~0.07)In                                  | +(0.04~0.07)In                                  |
| Cable entry                                                               |                                                        | Top-in, Bottom-out                              | Top-in, Bottom-out                              |
| Mounting                                                                  |                                                        | TH35-7.5-rail mounting                          | TH35-7.5-rail mounting                          |
| Pollution degree                                                          |                                                        | Pollution degree II                             | Pollution degree II                             |
| Protection degree                                                         | Direct mounting                                        | IP20                                            | IP20                                            |
|                                                                           | Mounted in the distribution box                        | IP40                                            | IP40                                            |
| Accessories that can be assembled                                         |                                                        | AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 | AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 |

| NXBLE-32                                        | NXBLE-63                                        | NXBLE-125                                 | NXBLE-125G                      |
|-------------------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------|
| IEC61009-1                                      | IEC61009-1                                      | IEC60947-2                                | IEC61009-1                      |
| 6~32                                            | 6~63                                            | 63、80、100(1P+N、2P、3P、3P+N、4P)125(1P+N、2P) | 63~125                          |
| 0.03, 0.05, 0.075, 0.1, 0.3                     | 0.03, 0.05, 0.075, 0.1, 0.3                     | 0.03, 0.05, 0.075, 0.1, 0.3               | 0.03, 0.05, 0.075, 0.1, 0.3     |
| AC                                              | AC                                              | AC, A                                     | AC                              |
| 230/400                                         | 230/400                                         | 230/400                                   | 230/400                         |
| 50/60                                           | 50/60                                           | 50/60                                     | 50                              |
| 1P+N, 2P, 3P, 3P+N, 4P                          | 1P+N, 2P, 3P, 3P+N, 4P                          | 1P+N, 2P, 3P, 3P+N, 4P                    | 1P+N, 2P, 3P, 3P+N, 4P          |
| 20000                                           | 20000                                           | 20000                                     | 20000                           |
| 10000                                           | 10000                                           | 6000(In≤100A), 4000(In>100A)              | 6000(In≤100A), 4000(In>100A)    |
| 6000                                            | 6000                                            | 10000                                     | 10000                           |
| 6000                                            | 6000                                            | 7500                                      | 7500                            |
| 4                                               | 4                                               | 4                                         | 4                               |
| (Power frequency 1 minute) 2000                 | (Power frequency 1 minute) 2000                 | (Power frequency 1 minute) 1890           | (Power frequency 1 minute) 2000 |
| 28 cycles                                       | 28 cycles                                       | 28 cycles                                 | 28 cycles                       |
| 1                                               | 1                                               | 16                                        | 16                              |
| 6                                               | 16                                              | 50                                        | 50                              |
| 2                                               | 2                                               | 3.5                                       | 3.5                             |
| 2.5                                             | 2.5                                             | 4                                         | 4                               |
| 12.5                                            | 12.5                                            | 15                                        | 15                              |
| 30                                              | 30                                              | 30                                        | 30                              |
| -35~+70                                         | -35~+70                                         | -35~+70                                   | -35~+70                         |
| -35~+85                                         | -35~+85                                         | -35~+85                                   | -35~+85                         |
| 2000                                            | 2000                                            | 2000                                      | 2000                            |
| ■                                               | ■                                               |                                           | ■                               |
| ■                                               | ■                                               |                                           | ■                               |
| ■                                               | ■                                               |                                           | ■                               |
|                                                 |                                                 | ■                                         |                                 |
|                                                 |                                                 | ■                                         |                                 |
| (0.9~0.95)In                                    | (0.9~0.95)In                                    | (0.9~0.95)In                              | (0.9~0.95)In                    |
| (0.86~0.80)In                                   | (0.86~0.80)In                                   | (0.8~0.9)In                               | (0.8~0.9)In                     |
| (0.78~0.76)In                                   | (0.78~0.76)In                                   | (0.7~0.8)In                               | (0.7~0.8)In                     |
| 0.76In                                          | 0.76In                                          | 0.7In                                     | 0.7In                           |
| -(0.03~0.050)In                                 | -(0.03~0.050)In                                 | -(0.03~0.08)In                            | -(0.03~0.08)In                  |
| +(0.04~0.07)In                                  | +(0.04~0.08)In                                  | +(0.03~0.08)In                            | +(0.03~0.08)In                  |
| Top-in, Bottom-out                              | Top-in, Bottom-out                              | Top-in, Bottom-out                        | Top-in, Bottom-out              |
| TH35-7.5-rail mounting                          | TH35-7.5-rail mounting                          | TH35-7.5-rail mounting                    | TH35-7.5-rail mounting          |
| Pollution degree II                             | Pollution degree II                             | Pollution degree II                       | Pollution degree II             |
| IP20                                            | IP20                                            | IP20                                      | IP20                            |
| IP40                                            | IP40                                            | IP40                                      | IP40                            |
| AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 | AX-X1, AL-X1, SHT-X1<br>OVT-X1, UVT-X1, OUVT-X1 | AX-X3, AL-X3                              | AX-X3, AL-X3                    |



Tripping characteristics are in compliant with standard IEC60898-1 and IEC61009-1

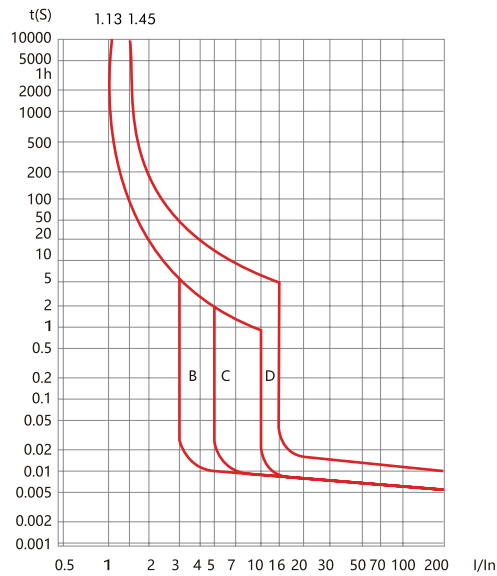
| Test | Type        | Test current        | Starting state   | Trip/Not trip time limit                                                                                         | Expected outcome | Notes                                               |
|------|-------------|---------------------|------------------|------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------|
| a    | B,C,D       | 1.13In              | Cold             | $t \leq 1 \text{ h (for } I_n \leq 63\text{A)}$<br>$t \leq 2 \text{ h (for } I_n > 63\text{A)}$                  | Not trip         |                                                     |
| b    | B,C,D       | 1.45In              | Right after test | $t < 1 \text{ h (for } I_n \leq 63\text{A)}$<br>$t < 2 \text{ h (for } I_n > 63\text{A)}$                        | Trip             | Current increase steadily within 5s                 |
| c    | B,C,D       | 2.55In              | Cold             | $1\text{s} < t < 60\text{s (for } I_n \leq 32\text{A)}$<br>$1\text{s} < t < 120\text{s (for } I_n > 32\text{A)}$ | Trip             |                                                     |
| d    | B<br>C<br>D | 3In<br>5In<br>10In  | Cold             | $t \leq 0.1\text{s}$                                                                                             | Not trip         | Connect the current by closing the auxiliary switch |
| e    | B<br>C<br>D | 5In<br>10In<br>20In | Cold             | $t < 0.1\text{s}$                                                                                                | Trip             | Connect the current by closing the auxiliary switch |

Tripping characteristics are in compliant with standard IEC60947-2

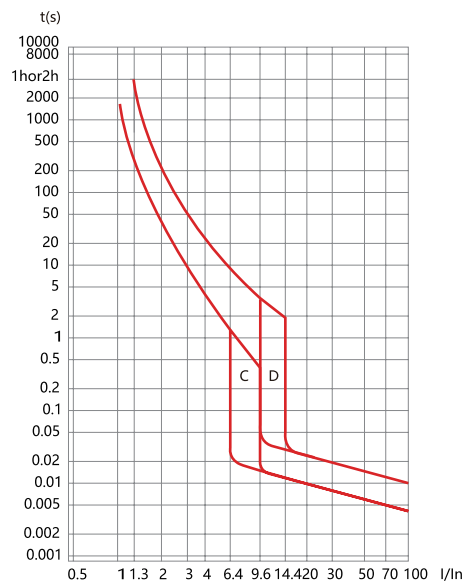
| Release type | Test current | Starting state   | Trip/Not trip time limit                                                                        | Expected outcome     | Notes                                               |
|--------------|--------------|------------------|-------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------|
| C,D          | 1.05In       | Cold             | $t \leq 1 \text{ h (for } I_n \leq 63\text{A)}$<br>$t \leq 2 \text{ h (for } I_n > 63\text{A)}$ | Cold                 |                                                     |
| C,D          | 1.3In        | Right after test | $t < 1 \text{ h (for } I_n \leq 63\text{A)}$<br>$t < 2 \text{ h (for } I_n > 63\text{A)}$       | Right after test     | Current increase steadily within 5s                 |
| C,D          | 2In          | Cold             | $t < 900\text{s}$                                                                               | Cold                 |                                                     |
| C            | 6.4In        | Cold             | $t \leq 0.2\text{s}$                                                                            | $t \leq 0.2\text{s}$ | Connect the current by closing the auxiliary switch |
| D            | 9.6In        |                  |                                                                                                 |                      |                                                     |
| C            | 9.6In        |                  |                                                                                                 |                      |                                                     |
| D            | 14.4In       | Cold             | $t < 0.2\text{s}$                                                                               | $t < 0.2\text{s}$    |                                                     |

Tripping curve

Compliant with standard IEC60898-1 and IEC61009-1



Compliant with standard IEC60947-2



The following table shows the cross-sectional area of the copper wire corresponding to the rated current (recommended value):

| Copper wire cross-sectional area Smm <sup>2</sup> | Rated current I <sub>n</sub> (A) |
|---------------------------------------------------|----------------------------------|
| 1                                                 | I <sub>n</sub> ≤ 6               |
| 1.5                                               | 6 < I <sub>n</sub> ≤ 13          |
| 2.5                                               | 13 < I <sub>n</sub> ≤ 20         |
| 4                                                 | 20 < I <sub>n</sub> ≤ 25         |
| 6                                                 | 25 < I <sub>n</sub> ≤ 32         |
| 10                                                | 32 < I <sub>n</sub> ≤ 50         |
| 16                                                | 50 < I <sub>n</sub> ≤ 63         |
| 25                                                | 63 < I <sub>n</sub> ≤ 80         |
| 35                                                | 80 < I <sub>n</sub> ≤ 100        |
| 50                                                | 100 < I <sub>n</sub> ≤ 125       |

#### Circuit breakers

| Product model | Number of poles            | Electromagnetic release type | Rated current                                              | Rated residual operating current  |
|---------------|----------------------------|------------------------------|------------------------------------------------------------|-----------------------------------|
| NXB-40        | 1P+N                       | C, D                         | 6A, 10A, 16A, 20A, 25A, 32A, 40A                           | 0.01A, 0.03A                      |
| NXBLE-40      |                            |                              |                                                            |                                   |
| NXB-63        | 1P, 1P+N, 2P, 3P, 3P+N, 4P | B, C, D                      | 1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A |                                   |
| NXBLE-32      | 1P+N, 2P, 3P, 3P+N, 4P     | B, C, D                      | 6A, 10A, 16A, 20A, 25A, 32A                                | 0.03A, 0.05A, 0.075A, 0.1A, 0.3A  |
| NXBLE-63      |                            |                              | 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A                 |                                   |
| NXBLE-63Y     | 1P+N                       | C, D                         | 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A                 | 0.01A, 0.03A                      |
| NXB-80        | 1P, 1P+N, 2P               | B, C, D                      | 80A                                                        |                                   |
| NXB-125       | 1P, 2P                     | C, D                         | 63A, 80A, 100A, 125A                                       |                                   |
| NXB-125G      | 3P, 4P                     | B, C, D                      | 63A, 80A, 100A                                             |                                   |
| NXBLE-125     | 1P+N, 2P                   | C, D                         | 63A, 80A, 100A, 125A                                       | 0.03A, 0.05A, 0.075A, 0.1A, 0.3A  |
| NXBLE-125G    | 3P, 3P+N, 4P               | B, C, D                      | 63A, 80A, 100A                                             |                                   |
| NXL-63        | 2P, 4P                     | /                            | 16A, 25A, 32A, 40A, 63A                                    | 0.01A(only 2P 16/25A) 0.03A, 0.3A |

Ordering example: NXB-40 C16 50 units

NXB-63 3P D63 50 units

NXBLE-63 1P+N C63 0.03A 30 units

NXL-63 2P 63A 0.03A 90 units

| Product model | Auxiliary contact     | Number of poles            | Maximum discharge current I <sub>max</sub> (8/20us)(kA) | Max.continuous operational open rational voltage U <sub>c</sub> (V~) | Maximum impulse current(10/350us) I <sub>imp</sub> (kA) |
|---------------|-----------------------|----------------------------|---------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|
| NXU-IIG       | Default:NO<br>/F: YES | 1P, 1P+N, 2P, 3P, 3P+N, 4P | 40, 65                                                  | 255, 275, 320, 385, 440                                              | /                                                       |
| NXU-I+II      | Default:NO<br>/F: YES | 1P, 1P+N, 2P, 3P, 3P+N, 4P | /                                                       | 255, 275, 385                                                        | 12.5                                                    |

Ordering example: NXU-IIG/F 40kA/385V 2P 50 units

NXU-I+II/F12.5kA/275V 2P 50 units





## NXB-63H Miniature circuit breaker

### 1. Compliant standards

IEC/EN60898-1

### 2. Compliant certification

CE, SII, RoHS, Carbon Footprint

### 3. Major function

Overload protection, short circuit protection , positive isolation

### 4. Technical data

Rated current: 1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A,;

Rated voltage: 220V~/230V~/240V~(1P, 1P+N) 380V~/400V~/415V~(2~4P, 3P+N);

Frequency: 50/60Hz;

Thermal magnetic release: B, C, D;

Number of poles: 1P, 1P+N, 2P, 3P, 3P+N, 4P;

Mechanical life: 20000 cycles;

Electrical life: 10000 cycles;

Rated short-circuit breaking capacity: 10000A;

Short-circuit breaking capacity: 7500A;

Rated insulation voltage  $U_i$ : 500V

Rated impulse withstand voltage: 4kV;

Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

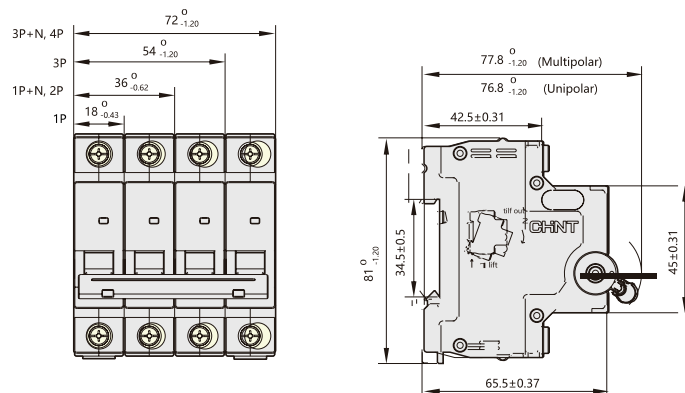
| Rated current $I_n$ (A) | Maximum power consumption per pole (W) |
|-------------------------|----------------------------------------|
| 1~10                    | 3                                      |
| 16                      | 3.5                                    |
| 20~25                   | 4.5                                    |
| 32                      | 6                                      |
| 40                      | 7.5                                    |
| 50                      | 9                                      |
| 63                      | 13                                     |

Temperature derating see table 2

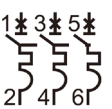
Table 2

| Ambient temperature(°C) | -35  | -20  | -10  | 0    | 10   | 20   | 30 | 40   | 50   | 60   | 70   |
|-------------------------|------|------|------|------|------|------|----|------|------|------|------|
| Rated current(A)        |      |      |      |      |      |      |    |      |      |      |      |
| 1~6                     | 1.28 | 1.25 | 1.18 | 1.13 | 1.08 | 1.03 | 1  | 0.96 | 0.91 | 0.87 | 0.82 |
| 10~25                   | 1.27 | 1.24 | 1.19 | 1.13 | 1.07 | 1.02 | 1  | 0.96 | 0.91 | 0.87 | 0.82 |
| 32~40                   | 1.27 | 1.24 | 1.19 | 1.13 | 1.08 | 1.04 | 1  | 0.97 | 0.92 | 0.88 | 0.83 |
| 50~63                   | 1.28 | 1.25 | 1.18 | 1.13 | 1.08 | 1.03 | 1  | 0.96 | 0.91 | 0.87 | 0.82 |

### 5. Dimensions and installation sizes



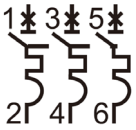
| NXB-63 | H                      | 4P                                   | C           | 16          | 10kA              |
|--------|------------------------|--------------------------------------|-------------|-------------|-------------------|
| ↓      | ↓                      | ↓                                    | ↓           | ↓           | ↓                 |
| Frame  | Breaking capacity code | Poles                                | Curve       | Current(In) | Breaking capacity |
| NXB-63 | H: 10kA                | 1P<br>1P+N<br>2P<br>3P<br>3P+N<br>4P | B<br>C<br>D | 1A~63A      | 10kA              |

| Diagram                                                                             | Curve | Poles | In(A) | Icu(kA) | Ue(V) | Description                      | Code   |
|-------------------------------------------------------------------------------------|-------|-------|-------|---------|-------|----------------------------------|--------|
|    | B     | 1P    | 1     | 10      | AC240 | NXB-63H 1P B1 10kA               | 813774 |
|                                                                                     | B     | 1P    | 2     | 10      | AC240 | NXB-63H 1P B2 10kA               | 813775 |
|                                                                                     | B     | 1P    | 3     | 10      | AC240 | NXB-63H 1P B3 10kA               | 813776 |
|                                                                                     | B     | 1P    | 4     | 10      | AC240 | NXB-63H 1P B4 10kA               | 813777 |
|                                                                                     | B     | 1P    | 6     | 10      | AC240 | NXB-63H 1P B6 10kA               | 813778 |
|                                                                                     | B     | 1P    | 10    | 10      | AC240 | NXB-63H 1P B10 10kA              | 813779 |
|                                                                                     | B     | 1P    | 16    | 10      | AC240 | NXB-63H 1P B16 10kA              | 813780 |
|                                                                                     | B     | 1P    | 20    | 10      | AC240 | NXB-63H 1P B20 10kA              | 813781 |
|                                                                                     | B     | 1P    | 25    | 10      | AC240 | NXB-63H 1P B25 10kA              | 813782 |
|                                                                                     | B     | 1P    | 32    | 10      | AC240 | NXB-63H 1P B32 10kA              | 813783 |
|                                                                                     | B     | 1P    | 40    | 10      | AC240 | NXB-63H 1P B40 10kA              | 813784 |
|                                                                                     | B     | 1P    | 50    | 10      | AC240 | NXB-63H 1P B50 10kA              | 813785 |
|                                                                                     | B     | 1P    | 63    | 10      | AC240 | NXB-63H 1P B63 10kA              | 813786 |
|  | B     | 1P+N  | 1     | 10      | AC240 | NXB-63H 1P+N B1 10kA N on right  | 813930 |
|                                                                                     | B     | 1P+N  | 2     | 10      | AC240 | NXB-63H 1P+N B2 10kA N on right  | 813931 |
|                                                                                     | B     | 1P+N  | 3     | 10      | AC240 | NXB-63H 1P+N B3 10kA N on right  | 813932 |
|                                                                                     | B     | 1P+N  | 4     | 10      | AC240 | NXB-63H 1P+N B4 10kA N on right  | 813933 |
|                                                                                     | B     | 1P+N  | 6     | 10      | AC240 | NXB-63H 1P+N B6 10kA N on right  | 813934 |
|                                                                                     | B     | 1P+N  | 10    | 10      | AC240 | NXB-63H 1P+N B10 10kA N on right | 813935 |
|                                                                                     | B     | 1P+N  | 16    | 10      | AC240 | NXB-63H 1P+N B16 10kA N on right | 813936 |
|                                                                                     | B     | 1P+N  | 20    | 10      | AC240 | NXB-63H 1P+N B20 10kA N on right | 813937 |
|                                                                                     | B     | 1P+N  | 25    | 10      | AC240 | NXB-63H 1P+N B25 10kA N on right | 813938 |
|                                                                                     | B     | 1P+N  | 32    | 10      | AC240 | NXB-63H 1P+N B32 10kA N on right | 813939 |
|                                                                                     | B     | 1P+N  | 40    | 10      | AC240 | NXB-63H 1P+N B40 10kA N on right | 813940 |
|                                                                                     | B     | 1P+N  | 50    | 10      | AC240 | NXB-63H 1P+N B50 10kA N on right | 813941 |
|                                                                                     | B     | 1P+N  | 63    | 10      | AC240 | NXB-63H 1P+N B63 10kA N on right | 813942 |
|  | B     | 2P    | 1     | 10      | AC415 | NXB-63H 2P B1 10kA               | 813813 |
|                                                                                     | B     | 2P    | 2     | 10      | AC415 | NXB-63H 2P B2 10kA               | 813814 |
|                                                                                     | B     | 2P    | 3     | 10      | AC415 | NXB-63H 2P B3 10kA               | 813815 |
|                                                                                     | B     | 2P    | 4     | 10      | AC415 | NXB-63H 2P B4 10kA               | 813816 |
|                                                                                     | B     | 2P    | 6     | 10      | AC415 | NXB-63H 2P B6 10kA               | 813817 |
|                                                                                     | B     | 2P    | 10    | 10      | AC415 | NXB-63H 2P B10 10kA              | 813818 |
|                                                                                     | B     | 2P    | 16    | 10      | AC415 | NXB-63H 2P B16 10kA              | 813819 |
|                                                                                     | B     | 2P    | 20    | 10      | AC415 | NXB-63H 2P B20 10kA              | 813820 |
|                                                                                     | B     | 2P    | 25    | 10      | AC415 | NXB-63H 2P B25 10kA              | 813821 |
|                                                                                     | B     | 2P    | 32    | 10      | AC415 | NXB-63H 2P B32 10kA              | 813822 |
|                                                                                     | B     | 2P    | 40    | 10      | AC415 | NXB-63H 2P B40 10kA              | 813823 |
|                                                                                     | B     | 2P    | 50    | 10      | AC415 | NXB-63H 2P B50 10kA              | 813824 |
|                                                                                     | B     | 2P    | 63    | 10      | AC415 | NXB-63H 2P B63 10kA              | 813825 |
|  | B     | 3P    | 1     | 10      | AC415 | NXB-63H 3P B1 10kA               | 813852 |
|                                                                                     | B     | 3P    | 2     | 10      | AC415 | NXB-63H 3P B2 10kA               | 813853 |

| Diagram                                                                             | Curve | Poles | In(A) | Icu(kA) | Ue(V) | Description                      | Code   |
|-------------------------------------------------------------------------------------|-------|-------|-------|---------|-------|----------------------------------|--------|
|    | B     | 3P    | 3     | 10      | AC415 | NXB-63H 3P B3 10kA               | 813854 |
|                                                                                     | B     | 3P    | 4     | 10      | AC415 | NXB-63H 3P B4 10kA               | 813855 |
|                                                                                     | B     | 3P    | 6     | 10      | AC415 | NXB-63H 3P B6 10kA               | 813856 |
|                                                                                     | B     | 3P    | 10    | 10      | AC415 | NXB-63H 3P B10 10kA              | 813857 |
|                                                                                     | B     | 3P    | 16    | 10      | AC415 | NXB-63H 3P B16 10kA              | 813858 |
|                                                                                     | B     | 3P    | 20    | 10      | AC415 | NXB-63H 3P B20 10kA              | 813859 |
|                                                                                     | B     | 3P    | 25    | 10      | AC415 | NXB-63H 3P B25 10kA              | 813860 |
|                                                                                     | B     | 3P    | 32    | 10      | AC415 | NXB-63H 3P B32 10kA              | 813861 |
|                                                                                     | B     | 3P    | 40    | 10      | AC415 | NXB-63H 3P B40 10kA              | 813862 |
|                                                                                     | B     | 3P    | 50    | 10      | AC415 | NXB-63H 3P B50 10kA              | 813863 |
|                                                                                     | B     | 3P    | 63    | 10      | AC415 | NXB-63H 3P B63 10kA              | 813864 |
|    | B     | 3P+N  | 1     | 10      | AC415 | NXB-63H 3P+N B1 10kA N on right  | 813969 |
|                                                                                     | B     | 3P+N  | 2     | 10      | AC415 | NXB-63H 3P+N B2 10kA N on right  | 813970 |
|                                                                                     | B     | 3P+N  | 3     | 10      | AC415 | NXB-63H 3P+N B3 10kA N on right  | 813971 |
|                                                                                     | B     | 3P+N  | 4     | 10      | AC415 | NXB-63H 3P+N B4 10kA N on right  | 813972 |
|                                                                                     | B     | 3P+N  | 6     | 10      | AC415 | NXB-63H 3P+N B6 10kA N on right  | 813973 |
|                                                                                     | B     | 3P+N  | 10    | 10      | AC415 | NXB-63H 3P+N B10 10kA N on right | 813974 |
|                                                                                     | B     | 3P+N  | 16    | 10      | AC415 | NXB-63H 3P+N B16 10kA N on right | 813975 |
|                                                                                     | B     | 3P+N  | 20    | 10      | AC415 | NXB-63H 3P+N B20 10kA N on right | 813976 |
|                                                                                     | B     | 3P+N  | 25    | 10      | AC415 | NXB-63H 3P+N B25 10kA N on right | 813977 |
|                                                                                     | B     | 3P+N  | 32    | 10      | AC415 | NXB-63H 3P+N B32 10kA N on right | 813978 |
|                                                                                     | B     | 3P+N  | 40    | 10      | AC415 | NXB-63H 3P+N B40 10kA N on right | 813979 |
|                                                                                     | B     | 3P+N  | 50    | 10      | AC415 | NXB-63H 3P+N B50 10kA N on right | 813980 |
|                                                                                     | B     | 3P+N  | 63    | 10      | AC415 | NXB-63H 3P+N B63 10kA N on right | 813981 |
|  | B     | 4P    | 1     | 10      | AC415 | NXB-63H 4P B1 10kA               | 813891 |
|                                                                                     | B     | 4P    | 2     | 10      | AC415 | NXB-63H 4P B2 10kA               | 813892 |
|                                                                                     | B     | 4P    | 3     | 10      | AC415 | NXB-63H 4P B3 10kA               | 813893 |
|                                                                                     | B     | 4P    | 4     | 10      | AC415 | NXB-63H 4P B4 10kA               | 813894 |
|                                                                                     | B     | 4P    | 6     | 10      | AC415 | NXB-63H 4P B6 10kA               | 813895 |
|                                                                                     | B     | 4P    | 10    | 10      | AC415 | NXB-63H 4P B10 10kA              | 813896 |
|                                                                                     | B     | 4P    | 16    | 10      | AC415 | NXB-63H 4P B16 10kA              | 813897 |
|                                                                                     | B     | 4P    | 20    | 10      | AC415 | NXB-63H 4P B20 10kA              | 813898 |
|                                                                                     | B     | 4P    | 25    | 10      | AC415 | NXB-63H 4P B25 10kA              | 813899 |
|                                                                                     | B     | 4P    | 32    | 10      | AC415 | NXB-63H 4P B32 10kA              | 813900 |
|                                                                                     | B     | 4P    | 40    | 10      | AC415 | NXB-63H 4P B40 10kA              | 813901 |
|                                                                                     | B     | 4P    | 50    | 10      | AC415 | NXB-63H 4P B50 10kA              | 813902 |
|                                                                                     | B     | 4P    | 63    | 10      | AC415 | NXB-63H 4P B63 10kA              | 813903 |
|  | C     | 1P    | 1     | 10      | AC240 | NXB-63H 1P C1 10kA               | 813787 |
|                                                                                     | C     | 1P    | 2     | 10      | AC240 | NXB-63H 1P C2 10kA               | 813788 |
|                                                                                     | C     | 1P    | 3     | 10      | AC240 | NXB-63H 1P C3 10kA               | 813789 |
|                                                                                     | C     | 1P    | 4     | 10      | AC240 | NXB-63H 1P C4 10kA               | 813790 |
|                                                                                     | C     | 1P    | 6     | 10      | AC240 | NXB-63H 1P C6 10kA               | 813791 |
|                                                                                     | C     | 1P    | 10    | 10      | AC240 | NXB-63H 1P C10 10kA              | 813792 |
|                                                                                     | C     | 1P    | 16    | 10      | AC240 | NXB-63H 1P C16 10kA              | 813793 |
|                                                                                     | C     | 1P    | 20    | 10      | AC240 | NXB-63H 1P C20 10kA              | 813794 |
|                                                                                     | C     | 1P    | 25    | 10      | AC240 | NXB-63H 1P C25 10kA              | 813795 |
|                                                                                     | C     | 1P    | 32    | 10      | AC240 | NXB-63H 1P C32 10kA              | 813796 |
|                                                                                     | C     | 1P    | 40    | 10      | AC240 | NXB-63H 1P C40 10kA              | 813797 |
|                                                                                     | C     | 1P    | 50    | 10      | AC240 | NXB-63H 1P C50 10kA              | 813798 |
|                                                                                     | C     | 1P    | 63    | 10      | AC240 | NXB-63H 1P C63 10kA              | 813799 |

| Diagram                                                                             | Curve | Poles | In(A) | Icu(kA) | Ue(V) | Description                      | Code   |
|-------------------------------------------------------------------------------------|-------|-------|-------|---------|-------|----------------------------------|--------|
|    | C     | 1P+N  | 1     | 10      | AC240 | NXB-63H 1P+N C1 10kA N on right  | 813943 |
|                                                                                     | C     | 1P+N  | 2     | 10      | AC240 | NXB-63H 1P+N C2 10kA N on right  | 813944 |
|                                                                                     | C     | 1P+N  | 3     | 10      | AC240 | NXB-63H 1P+N C3 10kA N on right  | 813945 |
|                                                                                     | C     | 1P+N  | 4     | 10      | AC240 | NXB-63H 1P+N C4 10kA N on right  | 813946 |
|                                                                                     | C     | 1P+N  | 6     | 10      | AC240 | NXB-63H 1P+N C6 10kA N on right  | 813947 |
|                                                                                     | C     | 1P+N  | 10    | 10      | AC240 | NXB-63H 1P+N C10 10kA N on right | 813948 |
|                                                                                     | C     | 1P+N  | 16    | 10      | AC240 | NXB-63H 1P+N C16 10kA N on right | 813949 |
|                                                                                     | C     | 1P+N  | 20    | 10      | AC240 | NXB-63H 1P+N C20 10kA N on right | 813950 |
|                                                                                     | C     | 1P+N  | 25    | 10      | AC240 | NXB-63H 1P+N C25 10kA N on right | 813951 |
|                                                                                     | C     | 1P+N  | 32    | 10      | AC240 | NXB-63H 1P+N C32 10kA N on right | 813952 |
|                                                                                     | C     | 1P+N  | 40    | 10      | AC240 | NXB-63H 1P+N C40 10kA N on right | 813953 |
|                                                                                     | C     | 1P+N  | 50    | 10      | AC240 | NXB-63H 1P+N C50 10kA N on right | 813954 |
|                                                                                     | C     | 1P+N  | 63    | 10      | AC240 | NXB-63H 1P+N C63 10kA N on right | 813955 |
|    | C     | 2P    | 1     | 10      | AC415 | NXB-63H 2P C1 10kA               | 813826 |
|                                                                                     | C     | 2P    | 2     | 10      | AC415 | NXB-63H 2P C2 10kA               | 813827 |
|                                                                                     | C     | 2P    | 3     | 10      | AC415 | NXB-63H 2P C3 10kA               | 813828 |
|                                                                                     | C     | 2P    | 4     | 10      | AC415 | NXB-63H 2P C4 10kA               | 813829 |
|                                                                                     | C     | 2P    | 6     | 10      | AC415 | NXB-63H 2P C6 10kA               | 813830 |
|                                                                                     | C     | 2P    | 10    | 10      | AC415 | NXB-63H 2P C10 10kA              | 813831 |
|                                                                                     | C     | 2P    | 16    | 10      | AC415 | NXB-63H 2P C16 10kA              | 813832 |
|                                                                                     | C     | 2P    | 20    | 10      | AC415 | NXB-63H 2P C20 10kA              | 813833 |
|                                                                                     | C     | 2P    | 25    | 10      | AC415 | NXB-63H 2P C25 10kA              | 813834 |
|                                                                                     | C     | 2P    | 32    | 10      | AC415 | NXB-63H 2P C32 10kA              | 813835 |
|                                                                                     | C     | 2P    | 40    | 10      | AC415 | NXB-63H 2P C40 10kA              | 813836 |
|                                                                                     | C     | 2P    | 50    | 10      | AC415 | NXB-63H 2P C50 10kA              | 813837 |
|                                                                                     | C     | 2P    | 63    | 10      | AC415 | NXB-63H 2P C63 10kA              | 813838 |
|  | C     | 3P    | 1     | 10      | AC415 | NXB-63H 3P C1 10kA               | 813865 |
|                                                                                     | C     | 3P    | 2     | 10      | AC415 | NXB-63H 3P C2 10kA               | 813866 |
|                                                                                     | C     | 3P    | 3     | 10      | AC415 | NXB-63H 3P C3 10kA               | 813867 |
|                                                                                     | C     | 3P    | 4     | 10      | AC415 | NXB-63H 3P C4 10kA               | 813868 |
|                                                                                     | C     | 3P    | 6     | 10      | AC415 | NXB-63H 3P C6 10kA               | 813869 |
|                                                                                     | C     | 3P    | 10    | 10      | AC415 | NXB-63H 3P C10 10kA              | 813870 |
|                                                                                     | C     | 3P    | 16    | 10      | AC415 | NXB-63H 3P C16 10kA              | 813871 |
|                                                                                     | C     | 3P    | 20    | 10      | AC415 | NXB-63H 3P C20 10kA              | 813872 |
|                                                                                     | C     | 3P    | 25    | 10      | AC415 | NXB-63H 3P C25 10kA              | 813873 |
|                                                                                     | C     | 3P    | 32    | 10      | AC415 | NXB-63H 3P C32 10kA              | 813874 |
|                                                                                     | C     | 3P    | 40    | 10      | AC415 | NXB-63H 3P C40 10kA              | 813875 |
|                                                                                     | C     | 3P    | 50    | 10      | AC415 | NXB-63H 3P C50 10kA              | 813876 |
|                                                                                     | C     | 3P    | 63    | 10      | AC415 | NXB-63H 3P C63 10kA              | 813877 |
|  | C     | 3P+N  | 1     | 10      | AC415 | NXB-63H 3P+N C1 10kA N on right  | 813982 |
|                                                                                     | C     | 3P+N  | 2     | 10      | AC415 | NXB-63H 3P+N C2 10kA N on right  | 813983 |
|                                                                                     | C     | 3P+N  | 3     | 10      | AC415 | NXB-63H 3P+N C3 10kA N on right  | 813984 |
|                                                                                     | C     | 3P+N  | 4     | 10      | AC415 | NXB-63H 3P+N C4 10kA N on right  | 813985 |
|                                                                                     | C     | 3P+N  | 6     | 10      | AC415 | NXB-63H 3P+N C6 10kA N on right  | 813986 |
|                                                                                     | C     | 3P+N  | 10    | 10      | AC415 | NXB-63H 3P+N C10 10kA N on right | 813987 |
|                                                                                     | C     | 3P+N  | 16    | 10      | AC415 | NXB-63H 3P+N C16 10kA N on right | 813988 |
|                                                                                     | C     | 3P+N  | 20    | 10      | AC415 | NXB-63H 3P+N C20 10kA N on right | 813989 |
|                                                                                     | C     | 3P+N  | 25    | 10      | AC415 | NXB-63H 3P+N C25 10kA N on right | 813990 |
|                                                                                     | C     | 3P+N  | 32    | 10      | AC415 | NXB-63H 3P+N C32 10kA N on right | 813991 |
|                                                                                     | C     | 3P+N  | 40    | 10      | AC415 | NXB-63H 3P+N C40 10kA N on right | 813992 |
|                                                                                     | C     | 3P+N  | 50    | 10      | AC415 | NXB-63H 3P+N C50 10kA N on right | 813993 |
|                                                                                     | C     | 3P+N  | 63    | 10      | AC415 | NXB-63H 3P+N C63 10kA N on right | 813994 |

| Diagram                                                                             | Curve | Poles | In(A) | Icu(kA) | Ue(V) | Description                      | Code   |
|-------------------------------------------------------------------------------------|-------|-------|-------|---------|-------|----------------------------------|--------|
|    | C     | 4P    | 1     | 10      | AC415 | NXB-63H 4P C1 10kA               | 813904 |
|                                                                                     | C     | 4P    | 2     | 10      | AC415 | NXB-63H 4P C2 10kA               | 813905 |
|                                                                                     | C     | 4P    | 3     | 10      | AC415 | NXB-63H 4P C3 10kA               | 813906 |
|                                                                                     | C     | 4P    | 4     | 10      | AC415 | NXB-63H 4P C4 10kA               | 813907 |
|                                                                                     | C     | 4P    | 6     | 10      | AC415 | NXB-63H 4P C6 10kA               | 813908 |
|                                                                                     | C     | 4P    | 10    | 10      | AC415 | NXB-63H 4P C10 10kA              | 813909 |
|                                                                                     | C     | 4P    | 16    | 10      | AC415 | NXB-63H 4P C16 10kA              | 813910 |
|                                                                                     | C     | 4P    | 20    | 10      | AC415 | NXB-63H 4P C20 10kA              | 813911 |
|                                                                                     | C     | 4P    | 25    | 10      | AC415 | NXB-63H 4P C25 10kA              | 813912 |
|                                                                                     | C     | 4P    | 32    | 10      | AC415 | NXB-63H 4P C32 10kA              | 813913 |
|                                                                                     | C     | 4P    | 40    | 10      | AC415 | NXB-63H 4P C40 10kA              | 813914 |
|                                                                                     | C     | 4P    | 50    | 10      | AC415 | NXB-63H 4P C50 10kA              | 813915 |
|                                                                                     | C     | 4P    | 63    | 10      | AC415 | NXB-63H 4P C63 10kA              | 813916 |
|   | D     | 1P    | 1     | 10      | AC240 | NXB-63H 1P D1 10kA               | 813800 |
|                                                                                     | D     | 1P    | 2     | 10      | AC240 | NXB-63H 1P D2 10kA               | 813801 |
|                                                                                     | D     | 1P    | 3     | 10      | AC240 | NXB-63H 1P D3 10kA               | 813802 |
|                                                                                     | D     | 1P    | 4     | 10      | AC240 | NXB-63H 1P D4 10kA               | 813803 |
|                                                                                     | D     | 1P    | 6     | 10      | AC240 | NXB-63H 1P D6 10kA               | 813804 |
|                                                                                     | D     | 1P    | 10    | 10      | AC240 | NXB-63H 1P D10 10kA              | 813805 |
|                                                                                     | D     | 1P    | 16    | 10      | AC240 | NXB-63H 1P D16 10kA              | 813806 |
|                                                                                     | D     | 1P    | 20    | 10      | AC240 | NXB-63H 1P D20 10kA              | 813807 |
|                                                                                     | D     | 1P    | 25    | 10      | AC240 | NXB-63H 1P D25 10kA              | 813808 |
|                                                                                     | D     | 1P    | 32    | 10      | AC240 | NXB-63H 1P D32 10kA              | 813809 |
|                                                                                     | D     | 1P    | 40    | 10      | AC240 | NXB-63H 1P D40 10kA              | 813810 |
|                                                                                     | D     | 1P    | 50    | 10      | AC240 | NXB-63H 1P D50 10kA              | 813811 |
|                                                                                     | D     | 1P    | 63    | 10      | AC240 | NXB-63H 1P D63 10kA              | 813812 |
|  | D     | 1P+N  | 1     | 10      | AC240 | NXB-63H 1P+N D1 10kA N on right  | 813956 |
|                                                                                     | D     | 1P+N  | 2     | 10      | AC240 | NXB-63H 1P+N D2 10kA N on right  | 813957 |
|                                                                                     | D     | 1P+N  | 3     | 10      | AC240 | NXB-63H 1P+N D3 10kA N on right  | 813958 |
|                                                                                     | D     | 1P+N  | 4     | 10      | AC240 | NXB-63H 1P+N D4 10kA N on right  | 813959 |
|                                                                                     | D     | 1P+N  | 6     | 10      | AC240 | NXB-63H 1P+N D6 10kA N on right  | 813960 |
|                                                                                     | D     | 1P+N  | 10    | 10      | AC240 | NXB-63H 1P+N D10 10kA N on right | 813961 |
|                                                                                     | D     | 1P+N  | 16    | 10      | AC240 | NXB-63H 1P+N D16 10kA N on right | 813962 |
|                                                                                     | D     | 1P+N  | 20    | 10      | AC240 | NXB-63H 1P+N D20 10kA N on right | 813963 |
|                                                                                     | D     | 1P+N  | 25    | 10      | AC240 | NXB-63H 1P+N D25 10kA N on right | 813964 |
|                                                                                     | D     | 1P+N  | 32    | 10      | AC240 | NXB-63H 1P+N D32 10kA N on right | 813965 |
|                                                                                     | D     | 1P+N  | 40    | 10      | AC240 | NXB-63H 1P+N D40 10kA N on right | 813966 |
|                                                                                     | D     | 1P+N  | 50    | 10      | AC240 | NXB-63H 1P+N D50 10kA N on right | 813967 |
|                                                                                     | D     | 1P+N  | 63    | 10      | AC240 | NXB-63H 1P+N D63 10kA N on right | 813968 |
|  | D     | 2P    | 1     | 10      | AC415 | NXB-63H 2P D1 10kA               | 813839 |
|                                                                                     | D     | 2P    | 2     | 10      | AC415 | NXB-63H 2P D2 10kA               | 813840 |
|                                                                                     | D     | 2P    | 3     | 10      | AC415 | NXB-63H 2P D3 10kA               | 813841 |
|                                                                                     | D     | 2P    | 4     | 10      | AC415 | NXB-63H 2P D4 10kA               | 813842 |
|                                                                                     | D     | 2P    | 6     | 10      | AC415 | NXB-63H 2P D6 10kA               | 813843 |
|                                                                                     | D     | 2P    | 10    | 10      | AC415 | NXB-63H 2P D10 10kA              | 813844 |

| Diagram                                                                             | Curve | Poles | In(A) | Icu(kA) | Ue(V) | Description                      | Code   |
|-------------------------------------------------------------------------------------|-------|-------|-------|---------|-------|----------------------------------|--------|
|    | D     | 2P    | 16    | 10      | AC415 | NXB-63H 2P D16 10kA              | 813845 |
|                                                                                     | D     | 2P    | 20    | 10      | AC415 | NXB-63H 2P D20 10kA              | 813846 |
|                                                                                     | D     | 2P    | 25    | 10      | AC415 | NXB-63H 2P D25 10kA              | 813847 |
|                                                                                     | D     | 2P    | 32    | 10      | AC415 | NXB-63H 2P D32 10kA              | 813848 |
|                                                                                     | D     | 2P    | 40    | 10      | AC415 | NXB-63H 2P D40 10kA              | 813849 |
|                                                                                     | D     | 2P    | 50    | 10      | AC415 | NXB-63H 2P D50 10kA              | 813850 |
|                                                                                     | D     | 2P    | 63    | 10      | AC415 | NXB-63H 2P D63 10kA              | 813851 |
|    | D     | 3P    | 1     | 10      | AC415 | NXB-63H 3P D1 10kA               | 813878 |
|                                                                                     | D     | 3P    | 2     | 10      | AC415 | NXB-63H 3P D2 10kA               | 813879 |
|                                                                                     | D     | 3P    | 3     | 10      | AC415 | NXB-63H 3P D3 10kA               | 813880 |
|                                                                                     | D     | 3P    | 4     | 10      | AC415 | NXB-63H 3P D4 10kA               | 813881 |
|                                                                                     | D     | 3P    | 6     | 10      | AC415 | NXB-63H 3P D6 10kA               | 813882 |
|                                                                                     | D     | 3P    | 10    | 10      | AC415 | NXB-63H 3P D10 10kA              | 813883 |
|                                                                                     | D     | 3P    | 16    | 10      | AC415 | NXB-63H 3P D16 10kA              | 813884 |
|                                                                                     | D     | 3P    | 20    | 10      | AC415 | NXB-63H 3P D20 10kA              | 813885 |
|                                                                                     | D     | 3P    | 25    | 10      | AC415 | NXB-63H 3P D25 10kA              | 813886 |
|                                                                                     | D     | 3P    | 32    | 10      | AC415 | NXB-63H 3P D32 10kA              | 813887 |
|                                                                                     | D     | 3P    | 40    | 10      | AC415 | NXB-63H 3P D40 10kA              | 813888 |
|                                                                                     | D     | 3P    | 50    | 10      | AC415 | NXB-63H 3P D50 10kA              | 813889 |
|                                                                                     | D     | 3P    | 63    | 10      | AC415 | NXB-63H 3P D63 10kA              | 813890 |
|  | D     | 3P+N  | 1     | 10      | AC415 | NXB-63H 3P+N D1 10kA N on right  | 813995 |
|                                                                                     | D     | 3P+N  | 2     | 10      | AC415 | NXB-63H 3P+N D2 10kA N on right  | 813996 |
|                                                                                     | D     | 3P+N  | 3     | 10      | AC415 | NXB-63H 3P+N D3 10kA N on right  | 813997 |
|                                                                                     | D     | 3P+N  | 4     | 10      | AC415 | NXB-63H 3P+N D4 10kA N on right  | 813998 |
|                                                                                     | D     | 3P+N  | 6     | 10      | AC415 | NXB-63H 3P+N D6 10kA N on right  | 813999 |
|                                                                                     | D     | 3P+N  | 10    | 10      | AC415 | NXB-63H 3P+N D10 10kA N on right | 814000 |
|                                                                                     | D     | 3P+N  | 16    | 10      | AC415 | NXB-63H 3P+N D16 10kA N on right | 814001 |
|                                                                                     | D     | 3P+N  | 20    | 10      | AC415 | NXB-63H 3P+N D20 10kA N on right | 814002 |
|                                                                                     | D     | 3P+N  | 25    | 10      | AC415 | NXB-63H 3P+N D25 10kA N on right | 814003 |
|                                                                                     | D     | 3P+N  | 32    | 10      | AC415 | NXB-63H 3P+N D32 10kA N on right | 814004 |
|                                                                                     | D     | 3P+N  | 40    | 10      | AC415 | NXB-63H 3P+N D40 10kA N on right | 814005 |
|                                                                                     | D     | 3P+N  | 50    | 10      | AC415 | NXB-63H 3P+N D50 10kA N on right | 814006 |
|                                                                                     | D     | 3P+N  | 63    | 10      | AC415 | NXB-63H 3P+N D63 10kA N on right | 814007 |
|  | D     | 4P    | 1     | 10      | AC415 | NXB-63H 4P D1 10kA               | 813917 |
|                                                                                     | D     | 4P    | 2     | 10      | AC415 | NXB-63H 4P D2 10kA               | 813918 |
|                                                                                     | D     | 4P    | 3     | 10      | AC415 | NXB-63H 4P D3 10kA               | 813919 |
|                                                                                     | D     | 4P    | 4     | 10      | AC415 | NXB-63H 4P D4 10kA               | 813920 |
|                                                                                     | D     | 4P    | 6     | 10      | AC415 | NXB-63H 4P D6 10kA               | 813921 |
|                                                                                     | D     | 4P    | 10    | 10      | AC415 | NXB-63H 4P D10 10kA              | 813922 |
|                                                                                     | D     | 4P    | 16    | 10      | AC415 | NXB-63H 4P D16 10kA              | 813923 |
|                                                                                     | D     | 4P    | 20    | 10      | AC415 | NXB-63H 4P D20 10kA              | 813924 |
|                                                                                     | D     | 4P    | 25    | 10      | AC415 | NXB-63H 4P D25 10kA              | 813925 |
|                                                                                     | D     | 4P    | 32    | 10      | AC415 | NXB-63H 4P D32 10kA              | 813926 |
|                                                                                     | D     | 4P    | 40    | 10      | AC415 | NXB-63H 4P D40 10kA              | 813927 |
|                                                                                     | D     | 4P    | 50    | 10      | AC415 | NXB-63H 4P D50 10kA              | 813928 |
|                                                                                     | D     | 4P    | 63    | 10      | AC415 | NXB-63H 4P D63 10kA              | 813929 |