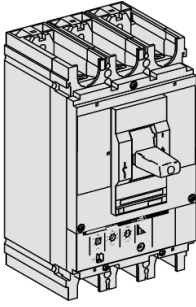


Product datasheet

Specifications



circuit breaker Compact NS630H - MP2 - 630 A - 4 poles

32946

! Discontinued

Main

| | |
|--|---|
| Range of product | NS400...630 DC |
| Product or component type | Circuit breaker |
| Device short name | Compact NS630DC |
| Circuit breaker name | Compact NS630DC |
| Device application | Distribution |
| Poles description | 4P |
| Protected poles description | 4t |
| Neutral position | Left |
| Network type | DC |
| [In] rated current | 500 A at 65 °C 630 A at 40 °C |
| [Ui] rated insulation voltage | 800 V DC conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2 |
| [Ue] rated operational voltage | 750 V DC conforming to IEC 60947-2 |
| Breaking capacity code | DC |
| Breaking capacity | 100 kA Icu at 250 V DC 1P conforming to IEC 60947-2 100 kA Icu at 48/125 V DC 1P conforming to IEC 60947-2 100 kA Icu at 500 V DC 2P conforming to IEC 60947-2 100 kA Icu at 750 V DC 3P conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | 100 kA at 250 V DC conforming to IEC 60947-2 100 kA at 48/125 V DC conforming to IEC 60947-2 100 kA at 500 V DC conforming to IEC 60947-2 100 kA at 750 V DC conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Trip unit name | MP2 |
| Trip unit technology | Magnetic |
| Trip unit rating | 630 A |
| Protection type | Short-circuit protection (magnetic) |
| Pollution degree | 3 conforming to IEC 60947 |

Complementary

| | |
|---------------|--------|
| Control type | Toggle |
| Mounting mode | Fixed |

| | |
|-----------------------------------|--|
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Mechanical durability | 5000 cycles |
| Electrical durability | 1000 cycles 250 V DC In conforming to IEC 60947-2 1000 cycles 500 V DC In conforming to IEC 60947-2 1000 cycles 750 V DC In conforming to IEC 60947-2 2000 cycles 250 V DC In/2 conforming to IEC 60947-2 2000 cycles 500 V DC In/2 conforming to IEC 60947-2 2000 cycles 750 V DC In/2 conforming to IEC 60947-2 |
| Connection pitch | 45 mm |
| Local signalling | Positive contact indication |
| Magnetic tripping current | 1250...2500 A |
| Neutral protection setting | No protection |
| Height | 225 mm |
| Width | 185 mm |
| Depth | 110 mm |

Environment

| | |
|--|-------------------------------|
| Standards | IEC 60947-2 |
| Product certifications | LCIE ASEFA KEMA ASTA |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to EN 50102 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |

Packing Units

| | |
|-------------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

Contractual warranty

| | |
|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins