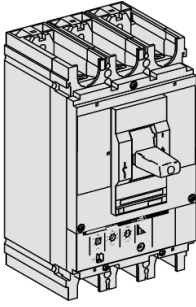


# Product datasheet

Specifications



## circuit breaker Compact NS630H - MP1 - 630 A - 4 poles

32945

! 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	MP1
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

<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Circuit breaker CT rating</b>	600 A
<b>Mechanical durability</b>	5000 cycles
<b>Electrical durability</b>	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
<b>Connection pitch</b>	45 mm
<b>Local signalling</b>	Positive contact indication
<b>Magnetic tripping current</b>	800...1600 A
<b>Neutral protection setting</b>	No protection
<b>Height</b>	225 mm
<b>Width</b>	185 mm
<b>Depth</b>	110 mm

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

## Contractual warranty

<b>Warranty (in months)</b>	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