

# Product datasheet

Specifications



## Switch disconnecter, ComPacT NS800 NA, 4P, fixed, manually operated, 800A

C080S4NAFM

### Main

|                           |                               |
|---------------------------|-------------------------------|
| Product name              | ComPacT NS new generation     |
| Product or component type | Switch disconnecter           |
| Device application        | Distribution                  |
| Poles description         | 4P                            |
| Network type              | AC                            |
| Breaking capacity code    | NA                            |
| Suitability for isolation | Yes conforming to IEC 60947-3 |

### Complementary

|                                             |                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                           | 50/60 Hz                                                                                                                                                                                        |
| Control type                                | Manually operated                                                                                                                                                                               |
| Mounting mode                               | Fixed                                                                                                                                                                                           |
| Upside connection                           | Front                                                                                                                                                                                           |
| Downside connection                         | Front                                                                                                                                                                                           |
| [Ie] rated operational current              | AC-23A: 800 A AC 50/60 Hz 220/240 V<br>AC-23A: 800 A AC 50/60 Hz 380/415 V<br>AC-23A: 800 A AC 50/60 Hz 440/480 V<br>AC-23A: 800 A AC 50/60 Hz 500/525 V<br>AC-23A: 800 A AC 50/60 Hz 660/690 V |
| [Ui] rated insulation voltage               | 800 V AC 50/60 Hz conforming to IEC 60947-3                                                                                                                                                     |
| [Uimp] rated impulse withstand voltage      | 8 kV conforming to IEC 60947-3                                                                                                                                                                  |
| [Ith] conventional free air thermal current | 800 A at 60 °C                                                                                                                                                                                  |
| [Icw] rated short-time withstand current    | 25 kA during 0.5 s conforming to IEC 60947-3<br>4 kA during 20 s conforming to IEC 60947-3                                                                                                      |
| [Icm] rated short-circuit making capacity   | 52 kA 690 V AC at 50/60 Hz                                                                                                                                                                      |
| [Ue] rated operational voltage              | 690 V AC 50/60 Hz conforming to IEC 60947-3                                                                                                                                                     |
| Contact position indicator                  | Yes                                                                                                                                                                                             |
| Visible break                               | No                                                                                                                                                                                              |
| Mechanical durability                       | 10000 cycles conforming to IEC 60947-3                                                                                                                                                          |
| Electrical durability                       | 2000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3                                                                                                                                         |
| Connection pitch                            | 70 mm                                                                                                                                                                                           |
| Height                                      | 280 mm                                                                                                                                                                                          |
| Width                                       | 327 mm                                                                                                                                                                                          |
| Depth                                       | 147 mm                                                                                                                                                                                          |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                |       |
|----------------|-------|
| Product weight | 18 kg |
|----------------|-------|

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-3                  |
| Product certifications                | IECEE CB Scheme              |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to EN 50102  |
| Pollution degree                      | 3 conforming to IEC 60947-3  |
| 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          |
| Package 1 Height             | 30.000 cm  |
| Package 1 Width              | 40.000 cm  |
| Package 1 Length             | 60.000 cm  |
| Package 1 Weight             | 15.241 kg  |
| Unit Type of Package 2       | P12        |
| Number of Units in Package 2 | 4          |
| Package 2 Height             | 45.000 cm  |
| Package 2 Width              | 80.000 cm  |
| Package 2 Length             | 120.000 cm |
| Package 2 Weight             | 72.960 kg  |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | IT |
|-------------------|----|

## 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 >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 623 kg CO2 eq.                                |
| Carbon footprint of the manufacturing phase [A1 to A3] | 213 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 4 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 2 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 382 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 22 kg CO2 eq.                                 |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                    |
| Packaging without single use plastic   | No                                                                                     |
| SCIP Number                            | 76c2e213-3b51-4d8b-afdf-632ded42d731                                                   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen-free status                    | Product contains halogen above thresholds                                              |
| PVC free                               | Yes                                                                                    |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 56                                                                                                                                                                                                              |
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                       | Yes                                                                                                                                                                                                             |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Technical Illustration

Assembly's dimensions

