Product datasheet

Specifications



Basic switch disconnector, ComPacT NS1600NA, withdrawable, electrically operated, 1600A, 690VAC 50/60Hz, 3P

33458

Main

Product name	ComPacT NS new generation
Device short name	Compact NS1600 NA
Product or component type	Switch disconnector
Device application	Distribution
Offer type	C4
Poles description	3P
Network type	AC
performance level	NA
Suitability for isolation	Yes conforming to IEC 60947-3

Complementary

Network frequency	50/60 Hz
Control type	Motor mechanism with external connector Motor mechanism
Mounting mode	Drawout
Mounting support	Chassis
[Ie] rated operational current	AC-23A: 1600 A AC 50/60 Hz 220/240 V AC-23A: 1600 A AC 50/60 Hz 380/415 V AC-23A: 1600 A AC 50/60 Hz 440/480 V AC-23A: 1600 A AC 50/60 Hz 500/525 V AC-23A: 1600 A AC 50/60 Hz 660/690 V
[Ui] rated insulation voltage	1000 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	1600 A at 60 °C
[Icw] rated short-time withstand current	25 kA during 0.5 s conforming to IEC 60947-3 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	6000 cycles conforming to IEC 60947-3
Electrical durability	1000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3
Connection pitch	115 mm
Height	327 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

Width	210 mm
Depth	147 mm
Net weight	14 kg

Environment

Standards	IEC 60947-3
Product certifications	ASTA ASEFA
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	36.0 cm
Package 1 Width	23.0 cm
Package 1 Length	39.0 cm
Package 1 Weight	15.077 kg

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	**2 865 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**211 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]	**2 626 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**22 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**21550c2a-6c05-4d3d-8388-9ca38a81a60f**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**Yes**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**56**
End of life manual availability	**End of Life Information**
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**