Product datasheet

Specifications

Automatic transfer switch, WATSN, 160A, 3P, 400V, type A, under/over-voltage

N2A01603V

Discontinued on: 25 Sept 2023

Discontinued

Main

Range of product	WATSN
Device short name	WATSN160
Product or component type	Transfer switch
Device application	Low voltage electrical distribution
Poles description	3P
Network type	AC
Network frequency	50/60 Hz
Mounting mode	Rack-mounted
Downside connection	Screwed
Upside connection	Screwed
Contact position indicator	Yes
[Icm] rated short-circuit making capacity	17 kA
Suitability for isolation	Yes

Complementary

Number of contact position	3
Control type	A
Mounting support	DIN rail Base
Transfer switch class	PC
Utilisation category	AC-33B
Locking options description	Keylock in OFF position
[Ie] rated operational current	160 A
[Ui] rated insulation voltage	800 V
[Uimp] rated impulse withstand voltage	8 kV
Mechanical interlocking	With mechanical interlocking
Mechanical durability	10000 cycles
Electrical durability	6000 cycles
[Ue] rated operational voltage	400 V AC 50/60 Hz
Rated conditional short-circuit current	NSX160H: Iq 70 kA NT00: Iq 100 kA 160 A

[Icw] rated short-time withstand current	10 kA during 60 ms
Height	164 mm
Width	306 mm
Depth	95 mm
Net weight	5.1 kg
Operating altitude	<= 2000 m

Environment

Product certifications	CCC CE CB
Standards	GB/T 14048.1 GB/T 14048.11 IEC 60947-1 IEC 60947-6-1
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-35…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.4 cm
Package 1 Width	30.6 cm
Package 1 Length	9.5 cm
Package 1 Weight	5.1 kg

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	**705 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**35 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.8 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**658 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**12 kg CO2 eq.**

Use Better

Materials and Packaging

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**45**
End of life manual availability	**End of Life Information**
Take-back	**No**