

# Product datasheet

Specifications



switch disconnecter, Compact  
INS1600 , 1600 A, standard  
version with black rotary handle, 3  
poles

31336

## Main

<b>Range</b>	ComPact
<b>Product Name</b>	ComPacT INS
<b>Product Or Component Type</b>	Switch disconnecter
<b>Poles Description</b>	3P
<b>Network Type</b>	AC DC
<b>Network Frequency</b>	50/60 Hz
<b>[Ie] Rated Operational Current</b>	AC-21A: 1250 A AC 50/60 Hz 440/480 V AC-21A: 1250 A AC 50/60 Hz 480 V NEMA AC-21A: 1250 A AC 50/60 Hz 500/525 V AC-21A: 1250 A AC 50/60 Hz 660/690 V AC-22A: 1250 A AC 50/60 Hz 440/480 V AC-22A: 1250 A AC 50/60 Hz 480 V NEMA AC-22A: 1250 A AC 50/60 Hz 500/525 V AC-22A: 1250 A AC 50/60 Hz 660/690 V AC-23A: 1250 A AC 50/60 Hz 220/240 V AC-23A: 1250 A AC 50/60 Hz 380/415 V AC-23A: 1250 A AC 50/60 Hz 440/480 V AC-23A: 1250 A AC 50/60 Hz 480 V NEMA AC-23A: 1250 A AC 50/60 Hz 500/525 V AC-23A: 1250 A AC 50/60 Hz 660/690 V AC-21A: 1450 A AC 50/60 Hz 220/240 V AC-21A: 1450 A AC 50/60 Hz 380/415 V AC-21B: 1600 A AC 50/60 Hz 220/240 V AC-21B: 1600 A AC 50/60 Hz 380/415 V AC-21B: 1600 A AC 50/60 Hz 440/480 V AC-21B: 1600 A AC 50/60 Hz 480 V NEMA AC-21B: 1600 A AC 50/60 Hz 500/525 V AC-21B: 1600 A AC 50/60 Hz 660/690 V AC-22A: 1450 A AC 50/60 Hz 220/240 V AC-22A: 1450 A AC 50/60 Hz 380/415 V AC-22B: 1600 A AC 50/60 Hz 220/240 V AC-22B: 1600 A AC 50/60 Hz 380/415 V AC-22B: 1600 A AC 50/60 Hz 440/480 V AC-22B: 1600 A AC 50/60 Hz 480 V NEMA AC-22B: 1600 A AC 50/60 Hz 500/525 V AC-22B: 1600 A AC 50/60 Hz 660/690 V DC-21A: 1600 A DC 125 V 2 poles in series DC-22A: 1600 A DC 125 V 2 poles in series DC-23A: 1600 A DC 125 V 2 poles in series
<b>[Ui] Rated Insulation Voltage</b>	1000 V AC 50/60 Hz
<b>[Uimp] Rated Impulse Withstand Voltage</b>	12 kV
<b>[Ith] Conventional Free Air Thermal Current</b>	1600 A at 60 °C
<b>[Icm] Rated Short-Circuit Making Capacity</b>	75 kA switch-disconnector alone 690 V AC at 50/60 Hz 75 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz
<b>[Ue] Rated Operational Voltage</b>	125 V DC 690 V AC 50/60 Hz
<b>Suitability For Isolation</b>	Yes

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Contact Position Indicator</b>	Yes
<b>Visible Break</b>	No
<b>Pollution Degree</b>	3

## Complementary

<b>Control Type</b>	Direct front rotary handle
<b>Handle Colour</b>	Black
<b>Mounting Mode</b>	Fixed
<b>Mounting Support</b>	Plate Rail
<b>Upside Connection</b>	Front
<b>Downside Connection</b>	Front
<b>Maximum Power</b>	AC-23: 400 kW at 220/240 V AC 50/60 Hz AC-23: 710 kW at 380/400 V AC 50/60 Hz AC-23: 800 kW at 415 V AC 50/60 Hz AC-23: 900 kW at 500/525 V AC 50/60 Hz
<b>Rated Duty</b>	Uninterrupted
<b>Intermittent Duty Class</b>	Class 120 - 60 %
<b>[Icw] Rated Short-Time Withstand Current</b>	10 kA during 20 s conforming to IEC 60947-3 20 kA during 3 s conforming to IEC 60947-3 35 kA during 1 s conforming to IEC 60947-3 42 kA during 0.8 s conforming to IEC 60947-3 50 kA during 0.5 s conforming to IEC 60947-3 8 kA during 30 s conforming to IEC 60947-3
<b>Mechanical Durability</b>	3000 cycles
<b>Electrical Durability</b>	AC-21A: 500 cycles 220/240 V AC 50/60 Hz AC-21A: 500 cycles 380/415 V AC 50/60 Hz AC-21A: 500 cycles 440/480 V AC 50/60 Hz AC-21A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21A: 500 cycles 500/525 V AC 50/60 Hz AC-21A: 500 cycles 660/690 V AC 50/60 Hz AC-22A: 500 cycles 220/240 V AC 50/60 Hz AC-22A: 500 cycles 380/415 V AC 50/60 Hz AC-22A: 500 cycles 440/480 V AC 50/60 Hz AC-22A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22A: 500 cycles 500/525 V AC 50/60 Hz AC-22A: 500 cycles 660/690 V AC 50/60 Hz DC-21A: 500 cycles 125 V DC 2 poles in series DC-22A: 500 cycles 125 V DC 2 poles in series AC-21B: 100 cycles 220/240 V AC 50/60 Hz AC-21B: 100 cycles 380/415 V AC 50/60 Hz AC-21B: 100 cycles 440/480 V AC 50/60 Hz AC-21B: 100 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21B: 100 cycles 500/525 V AC 50/60 Hz AC-21B: 100 cycles 660/690 V AC 50/60 Hz AC-22B: 100 cycles 220/240 V AC 50/60 Hz AC-22B: 100 cycles 380/415 V AC 50/60 Hz AC-22B: 100 cycles 440/480 V AC 50/60 Hz AC-22B: 100 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22B: 100 cycles 500/525 V AC 50/60 Hz AC-22B: 100 cycles 660/690 V AC 50/60 Hz AC-23B: 500 cycles 220/240 V AC 50/60 Hz AC-23B: 500 cycles 380/415 V AC 50/60 Hz AC-23B: 500 cycles 440/480 V AC 50/60 Hz AC-23B: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23B: 500 cycles 500/525 V AC 50/60 Hz AC-23B: 500 cycles 660/690 V AC 50/60 Hz DC-23B: 500 cycles 125 V DC 2 poles in series
<b>Connection Pitch</b>	70 mm
<b>Height</b>	300 mm
<b>Width</b>	340 mm

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<b>Depth</b>	146.5 mm
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<b>Net Weight</b>	14 kg
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## Environment

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<b>Standards</b>	IEC 60947-1 IEC 60947-3
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<b>Product Certifications</b>	KEMA-KEUR
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<b>Ip Degree Of Protection</b>	IP40 conforming to IEC 60529
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<b>Ik Degree Of Protection</b>	IK07 conforming to EN 50102
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<b>Ambient Air Temperature For Operation</b>	-25...70 °C
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<b>Ambient Air Temperature For Storage</b>	-50...85 °C
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## Packing Units

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<b>Unit Type Of Package 1</b>	PCE
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<b>Number Of Units In Package 1</b>	1
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<b>Package 1 Height</b>	20.000 cm
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<b>Package 1 Width</b>	33.000 cm
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<b>Package 1 Length</b>	35.500 cm
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<b>Package 1 Weight</b>	15.100 kg
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## Contractual warranty

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<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

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

Circularity Profile No need of specific recycling operations